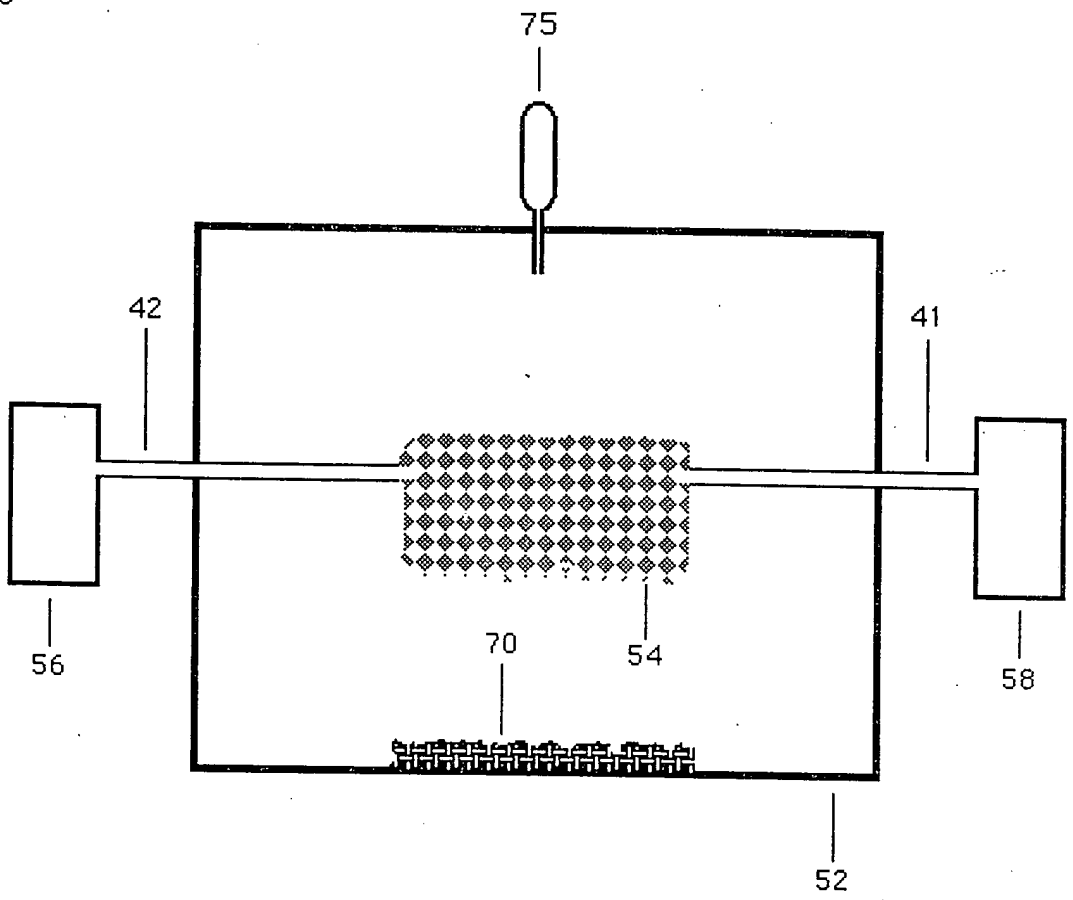
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

Fig. 1



6025760 "6525960

Fig. 2

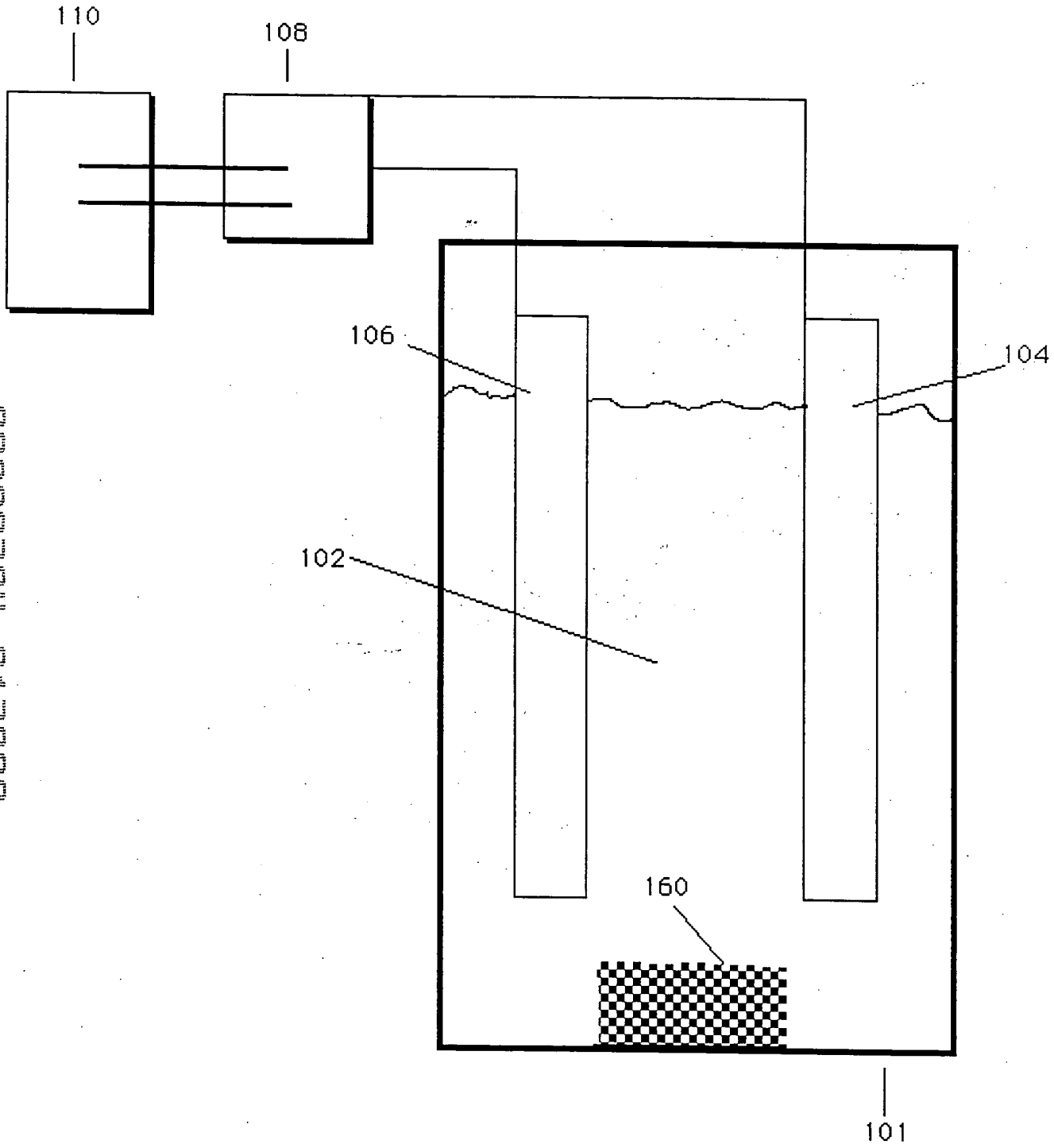


Fig. 3

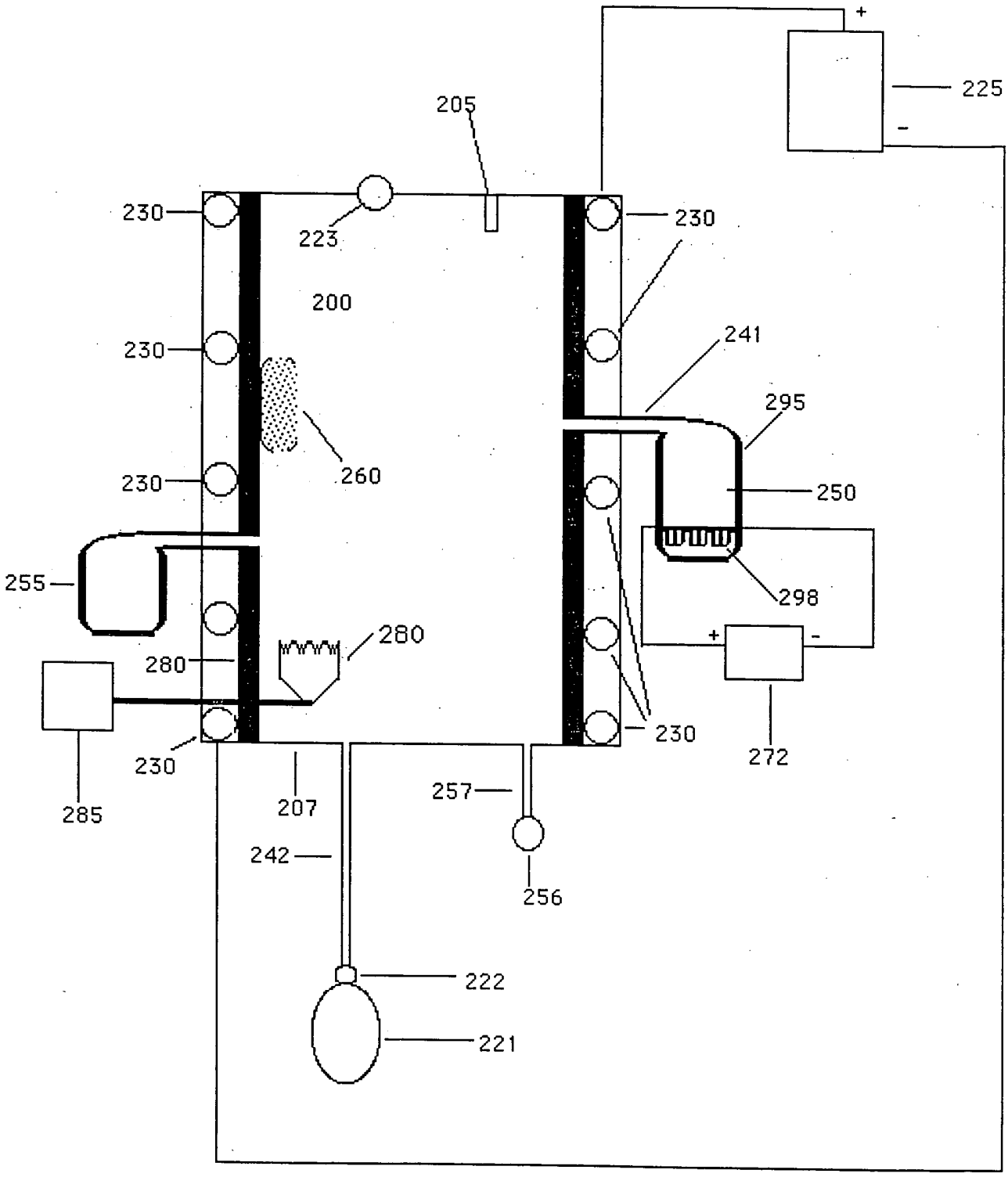
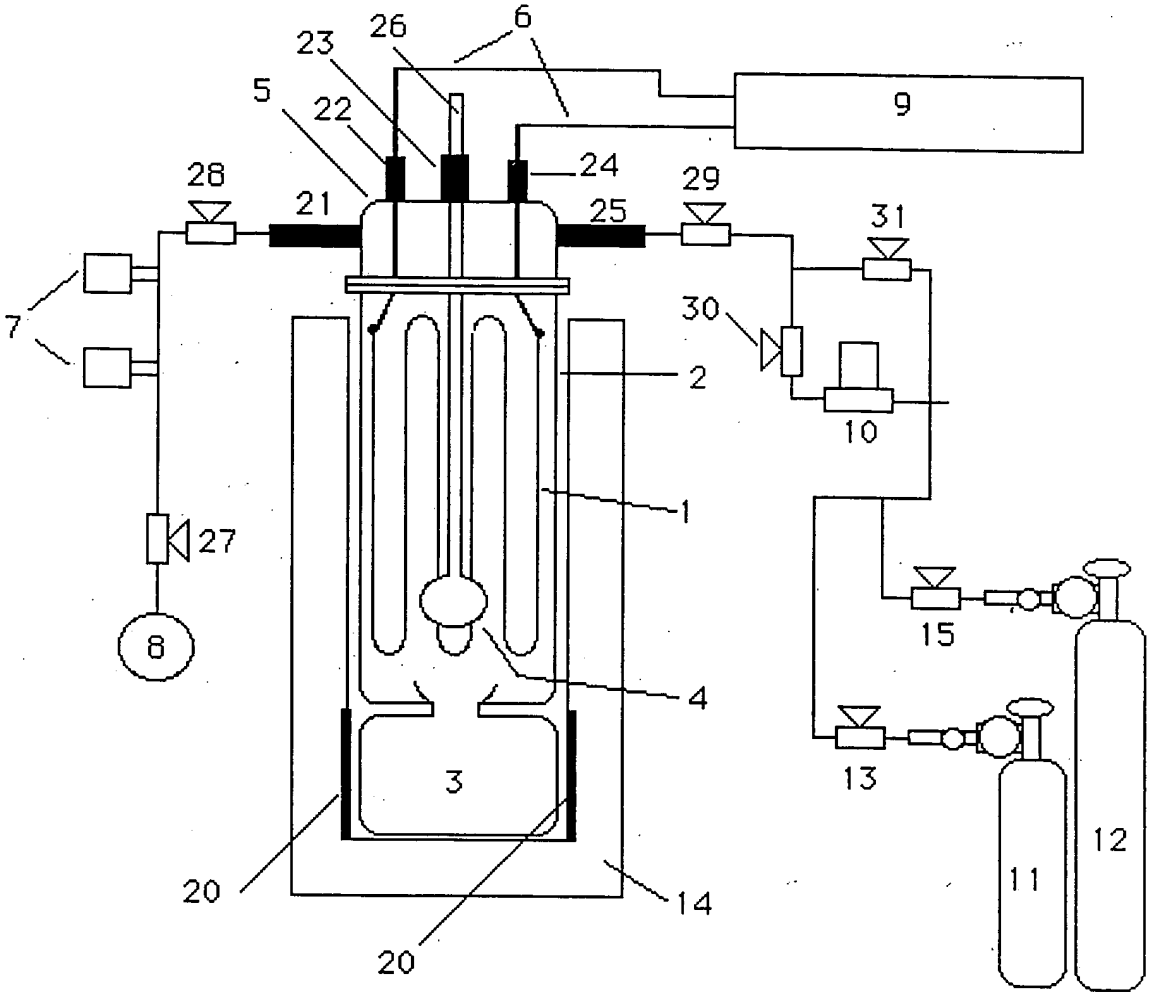
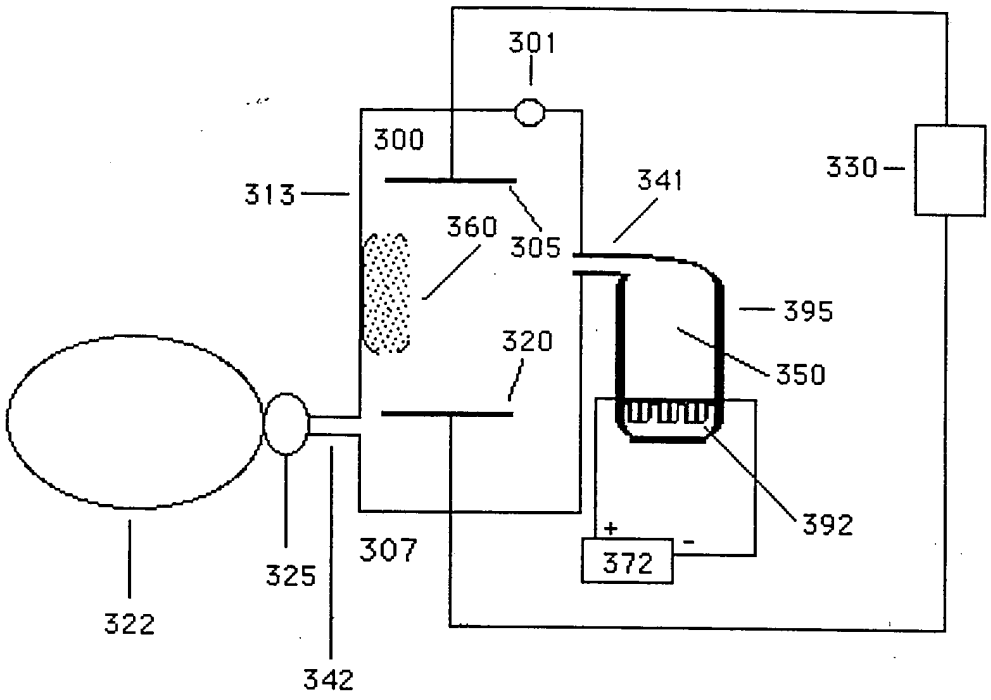

+
225
-
205
230
223
230
200
230
241
295
260
230
250
255
298
280
280
+
-
230
272
285
230
207
257
242
256
222
221

Fig. 4



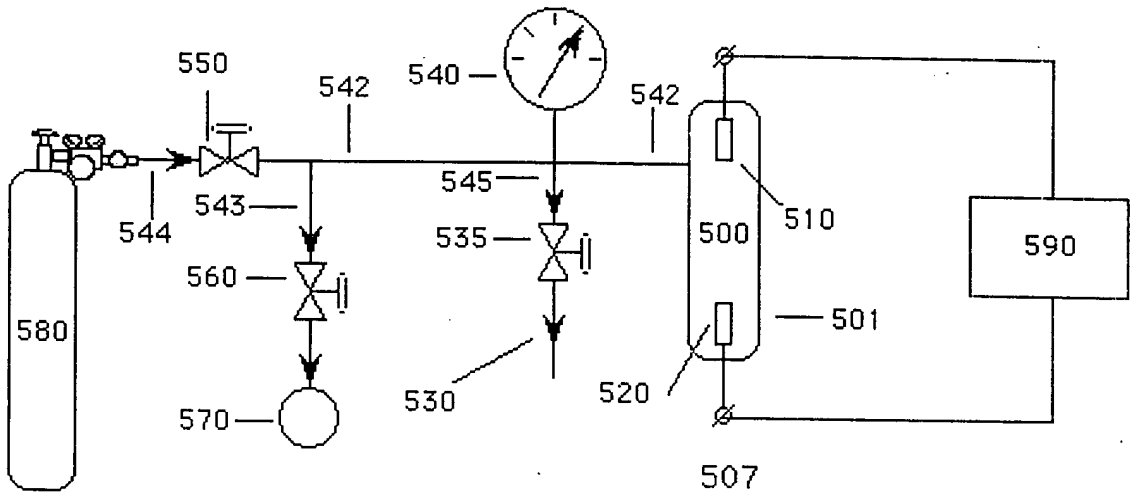
EP 0 921 210 A2

Fig. 5



09/02/2004 09:52:56 0

Fig. 6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542
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535
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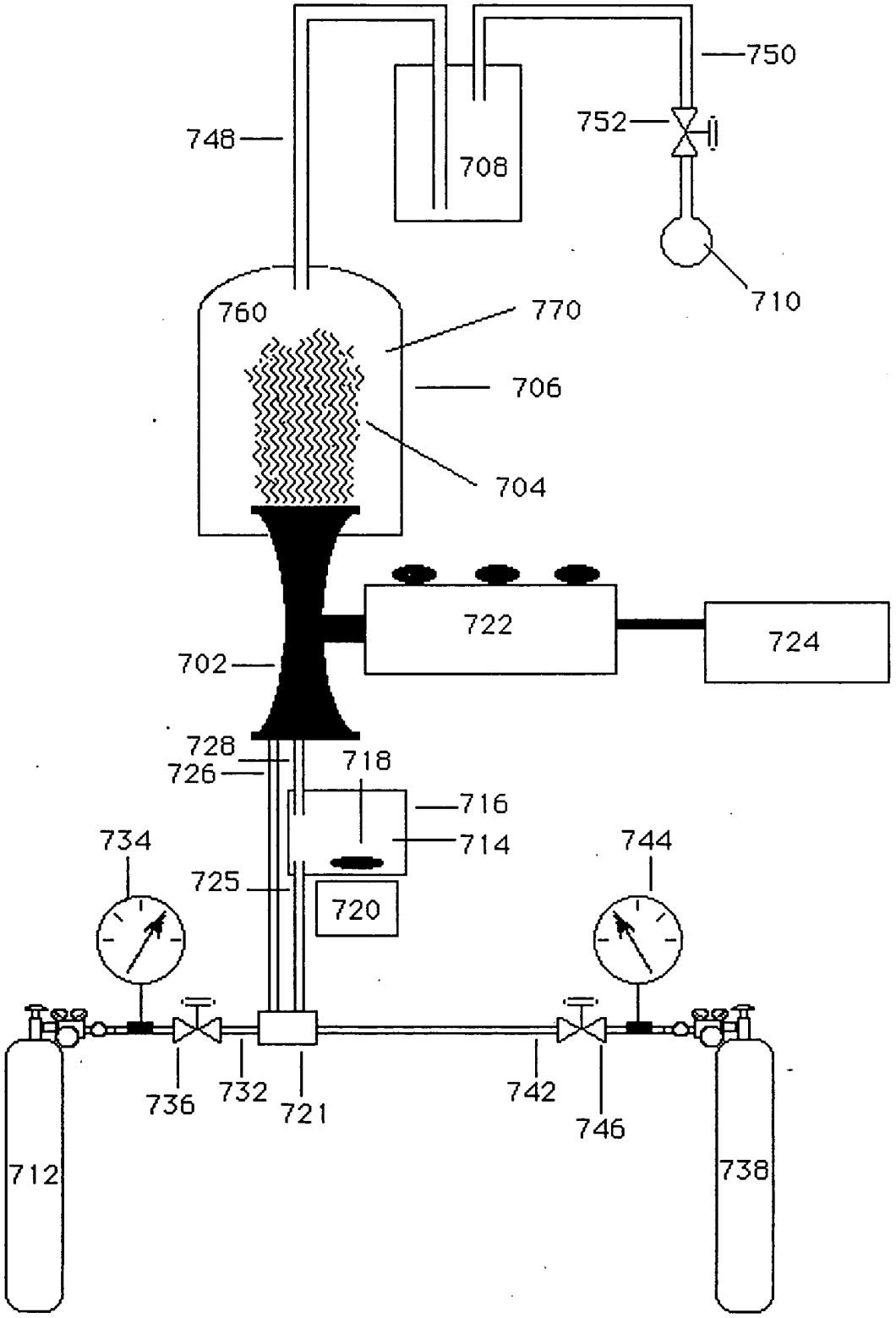
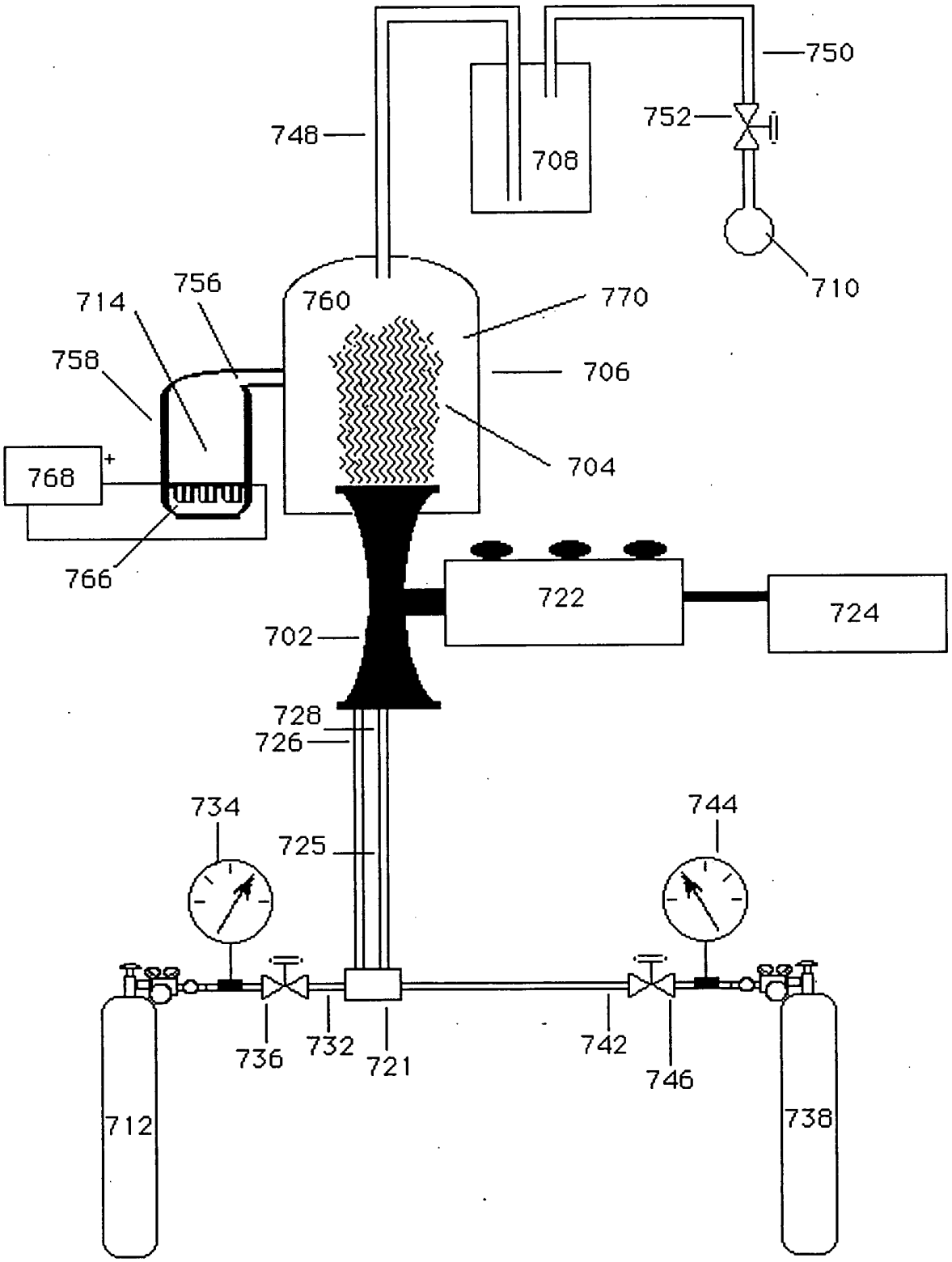
580
500
510
590
501
530
520
570
507

Fig. 7



09/02/2004, 09:00:09

Fig. 7A



8602470-4950050

Fig. 8

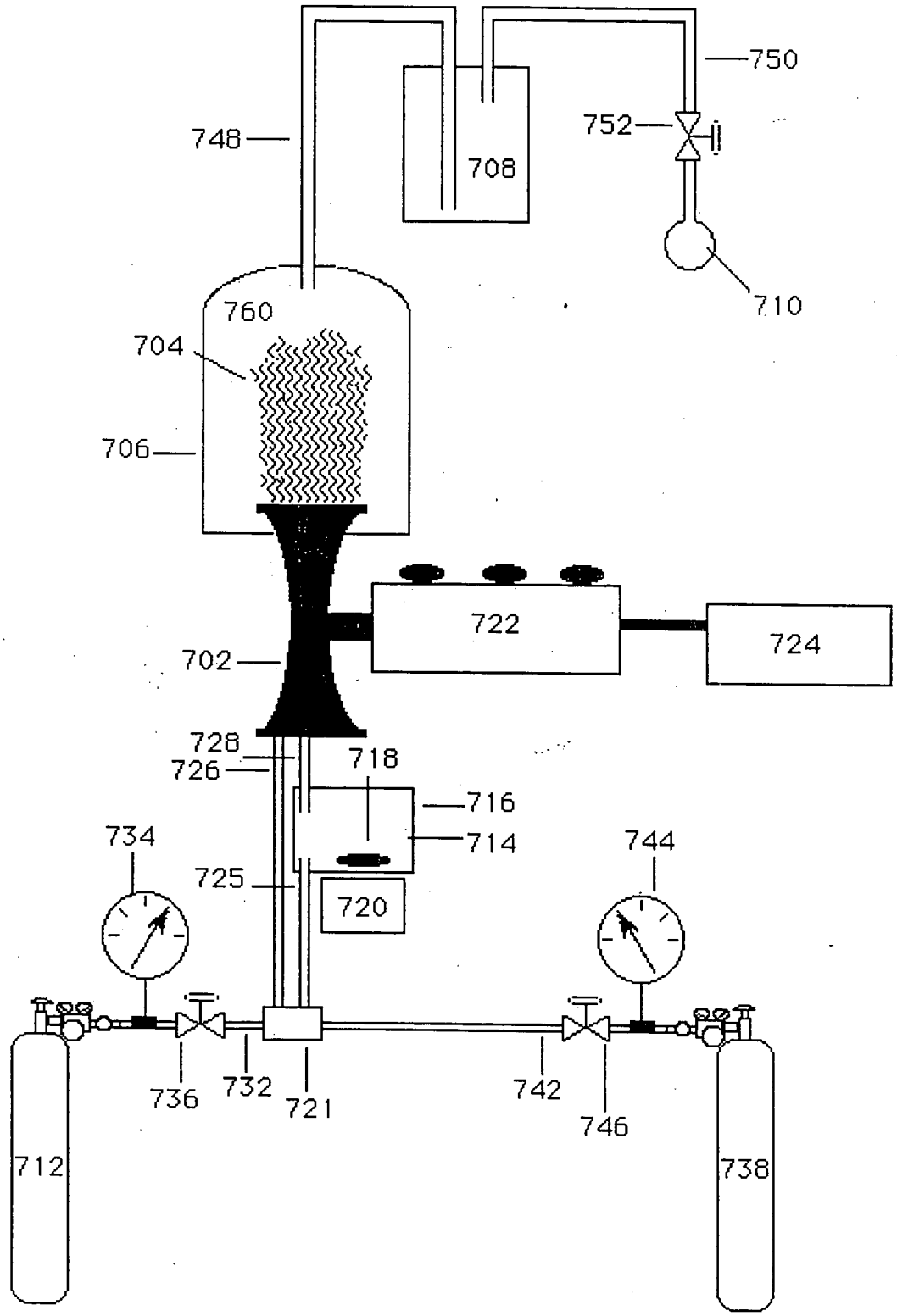
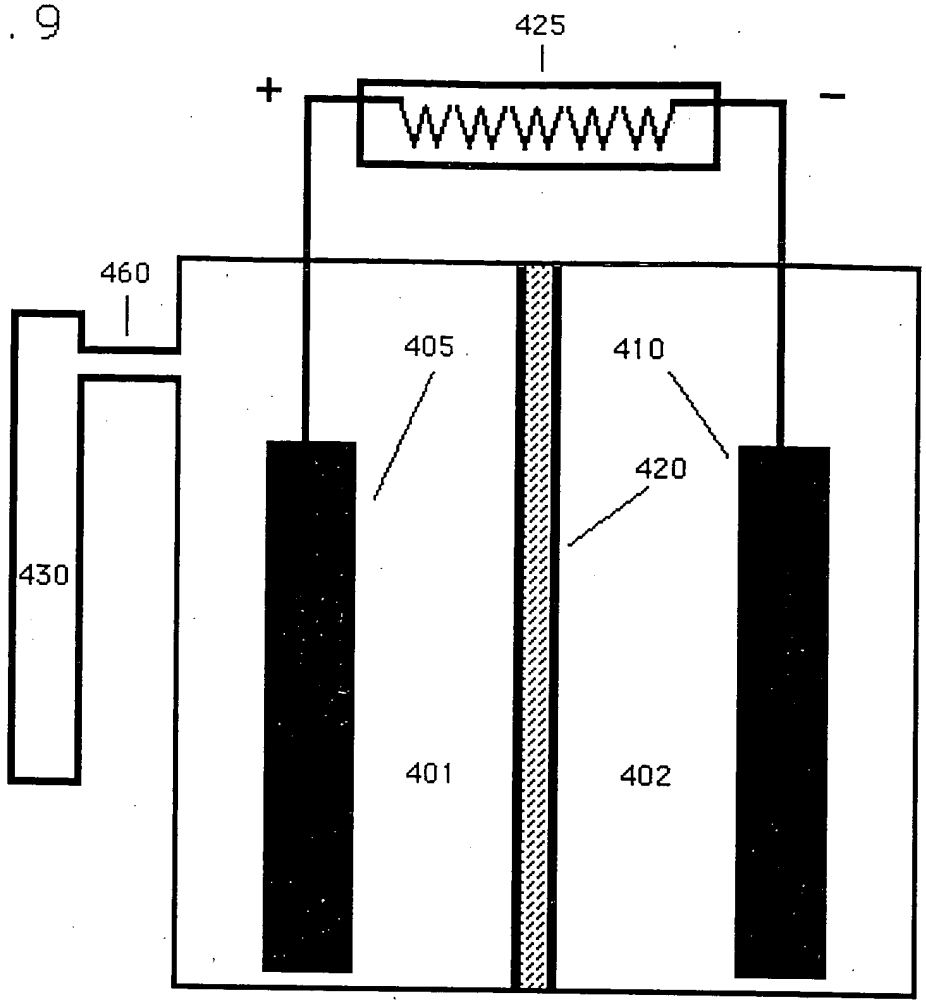

750
752
748
708
710
760
704
706
722
724
702
728
726
718
716
714
734
744
725
720
736
732
721
742
746
712
738

Fig. 9



400

SUBSTITUTE SHEET (RULE 26)

Fig. 10

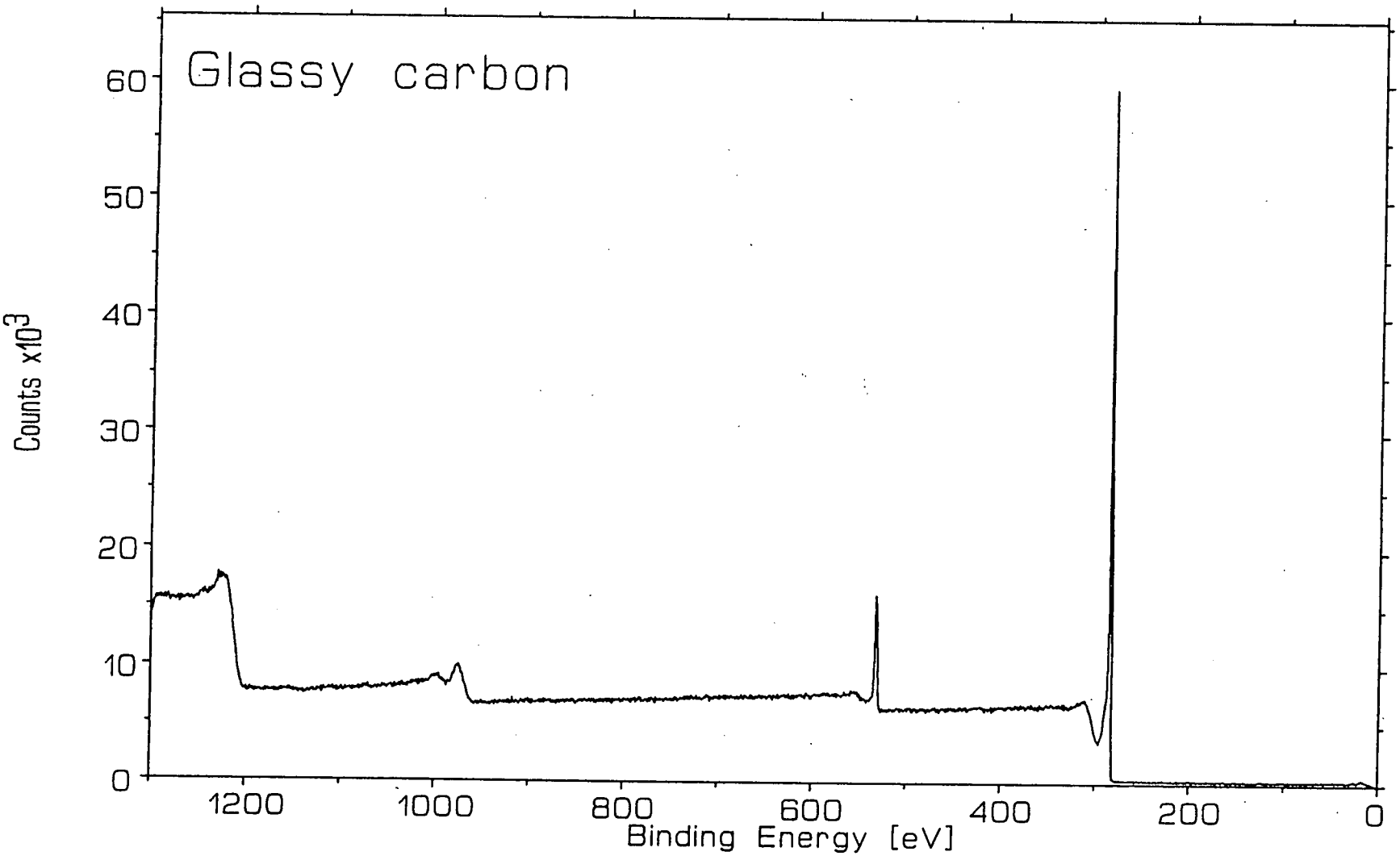
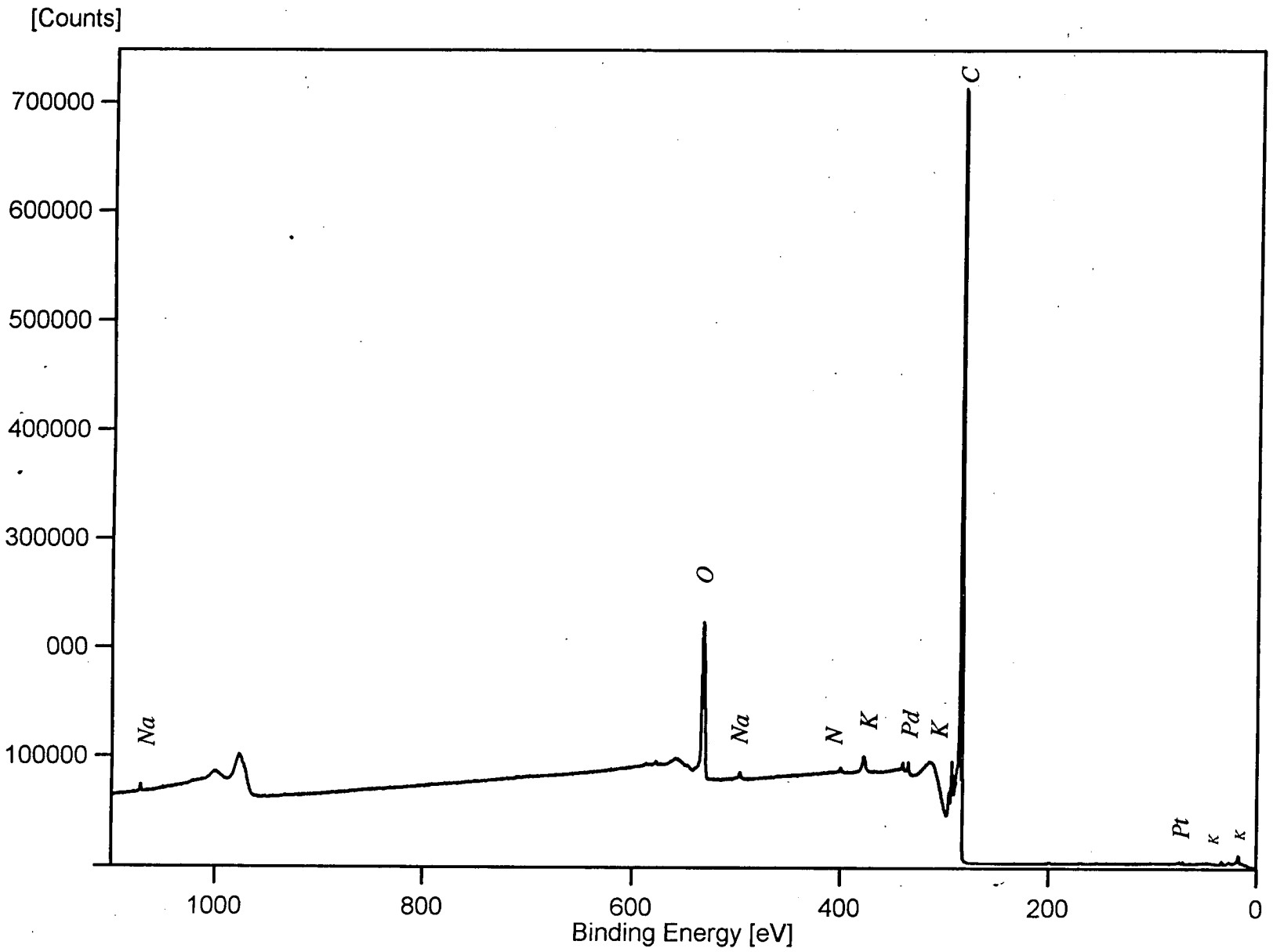
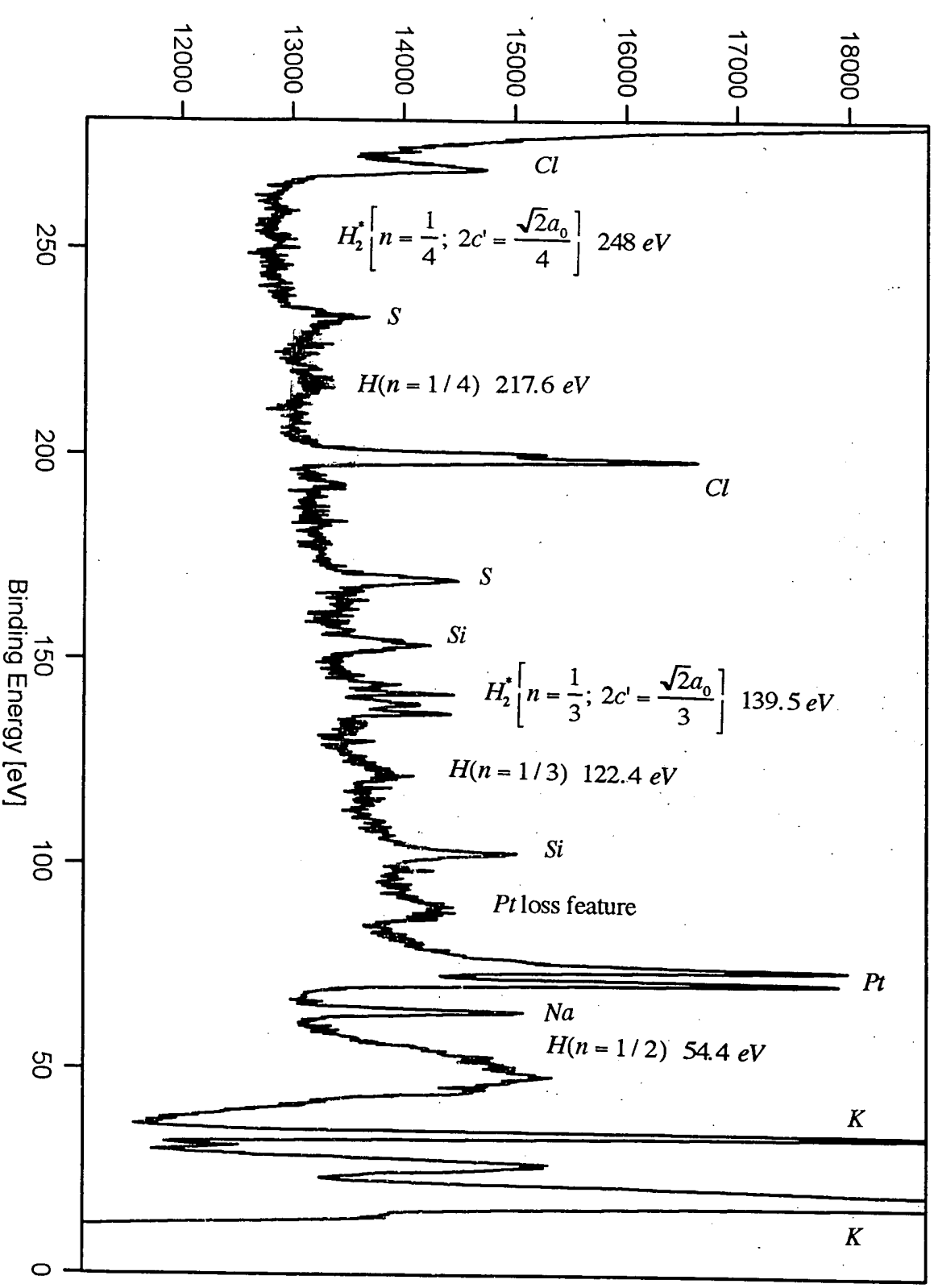

Glassy carbon
Counts x10^3
60
50
40
30
20
10
0
1200
1000
800
600
400
200
0
Binding Energy [eV]

Fig. 11



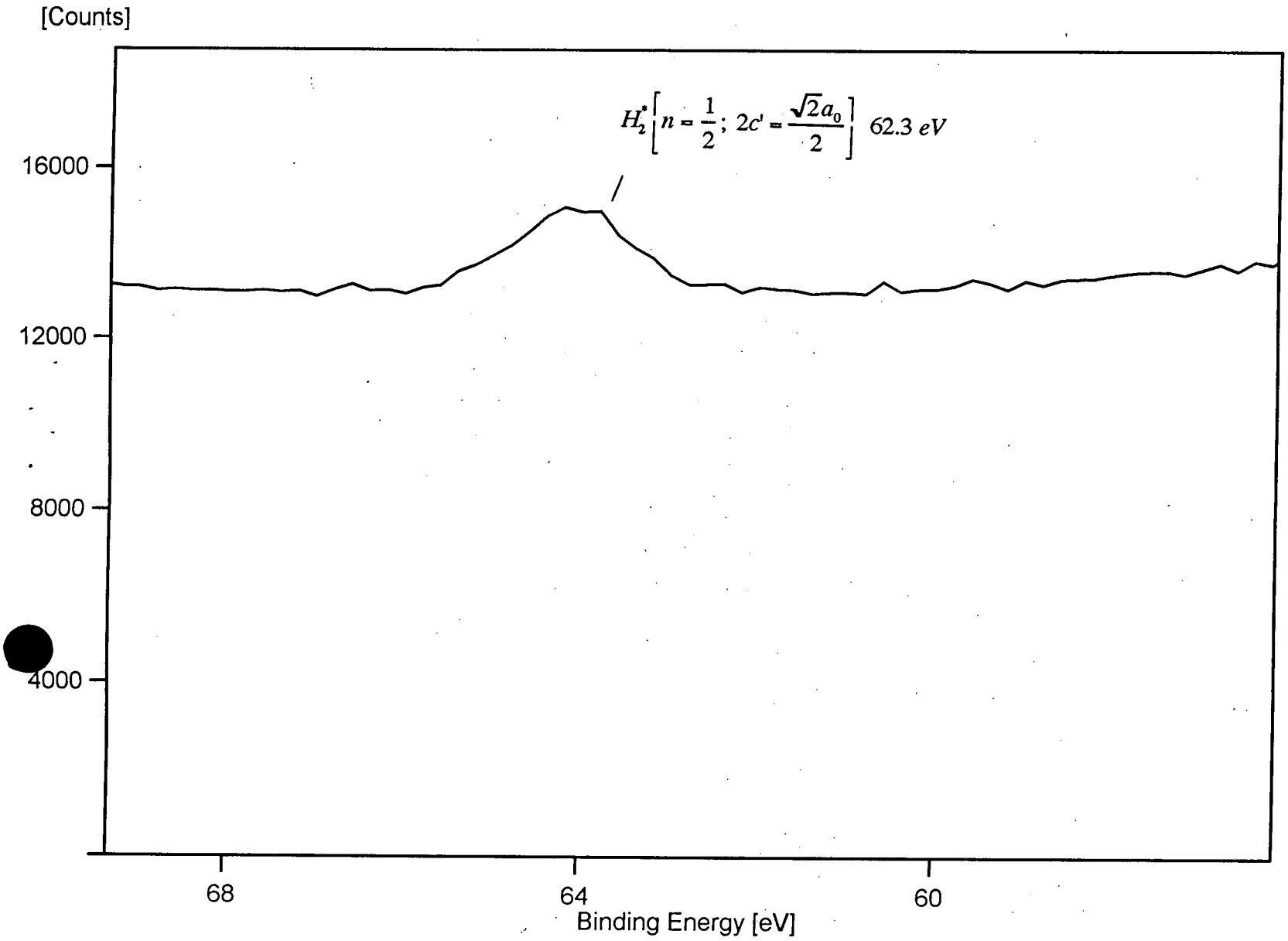
0900294.012098

Fig. 12



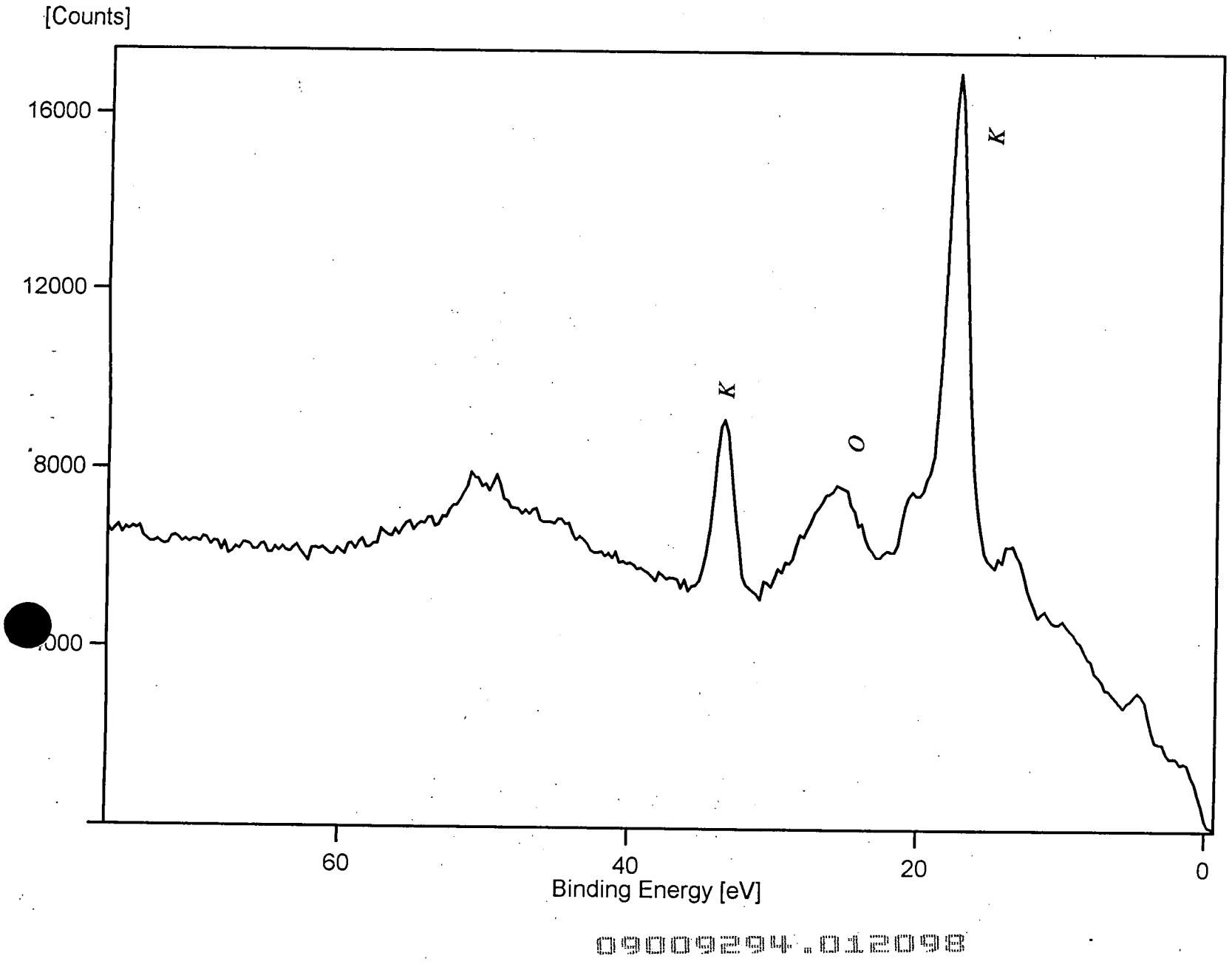
09005294 - 012098

Fig. 13



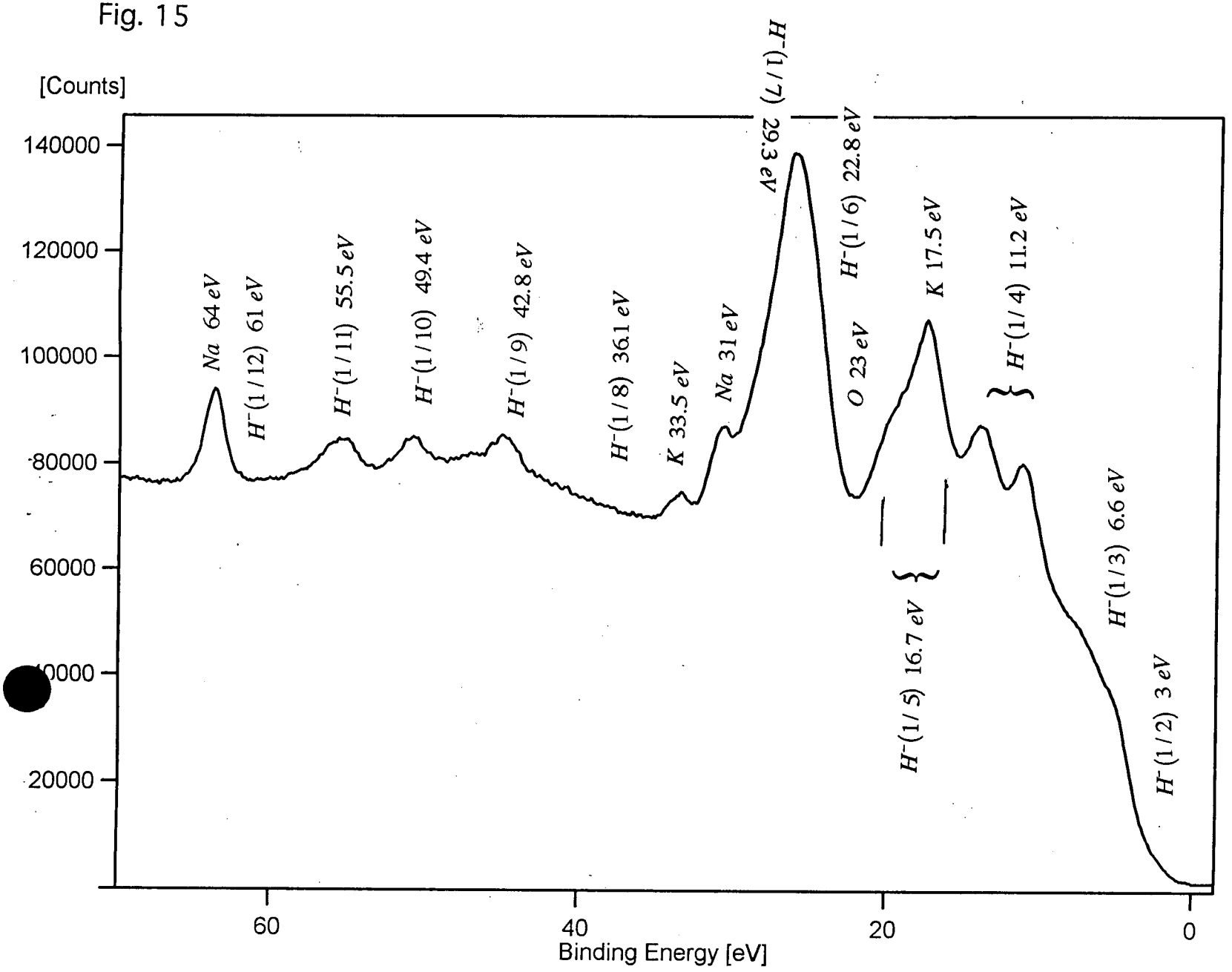
0900294.012098

Fig. 14



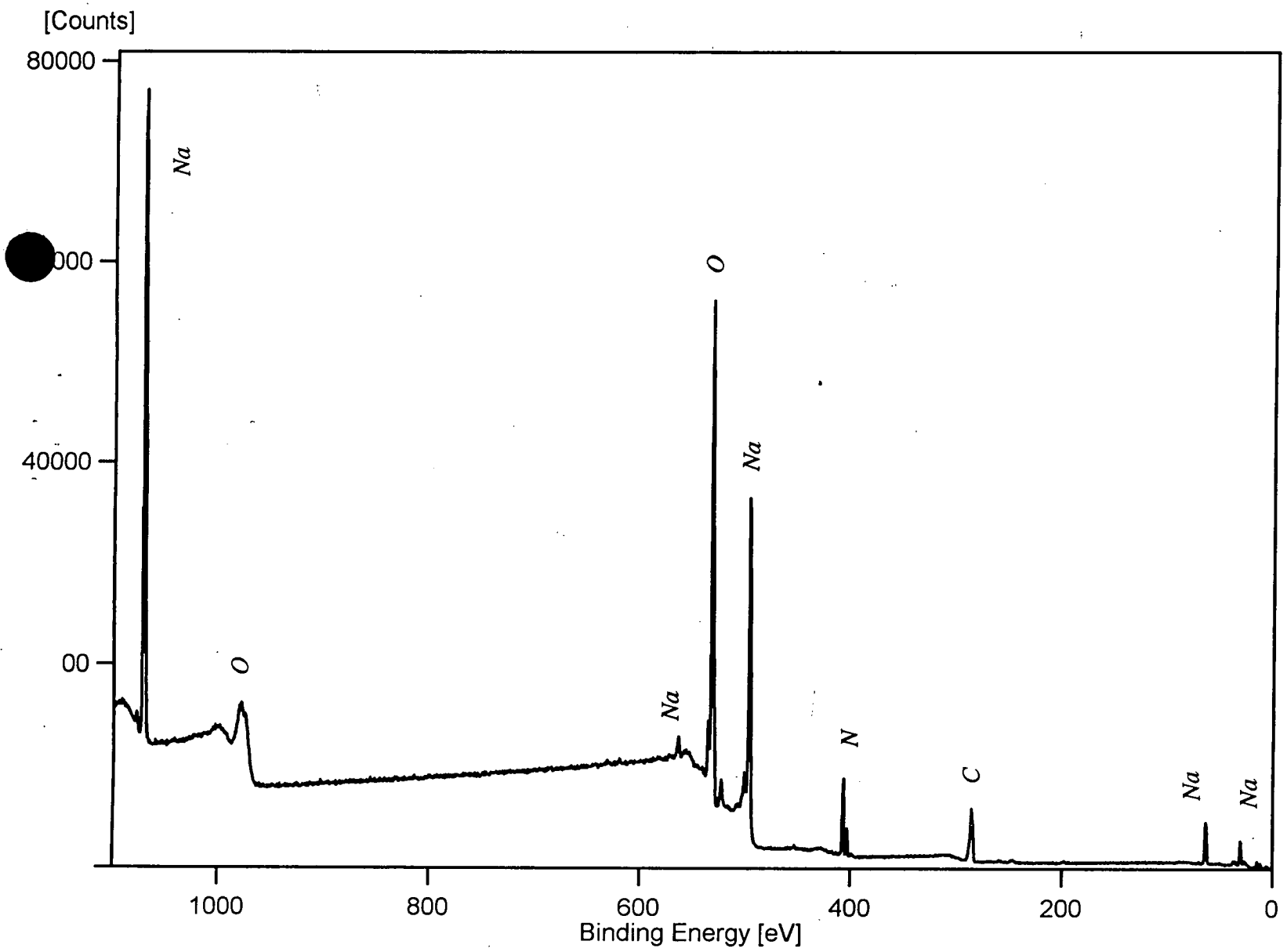
0900294.012098

Fig. 15



0900294 .012098

Fig. 16



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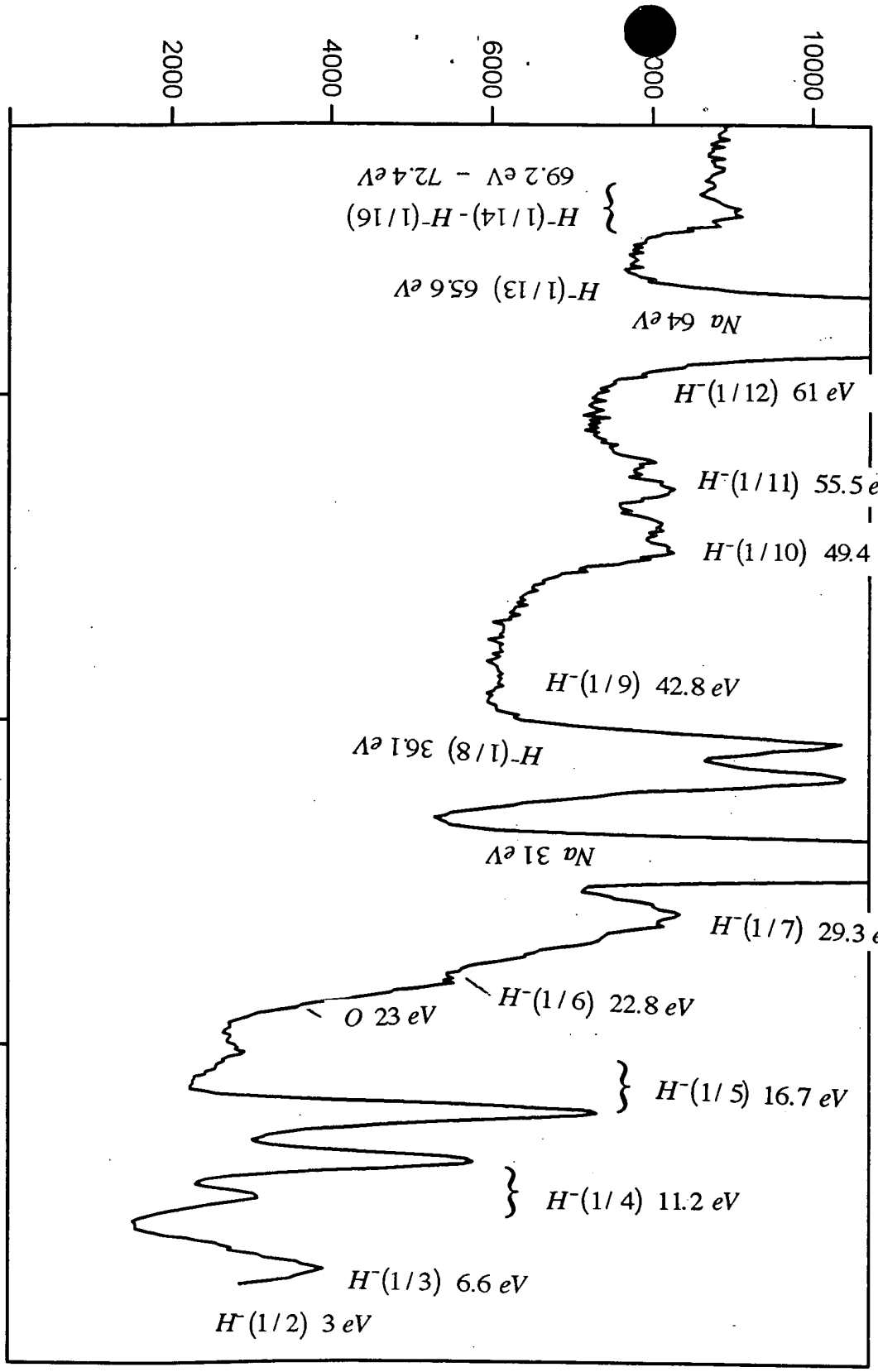
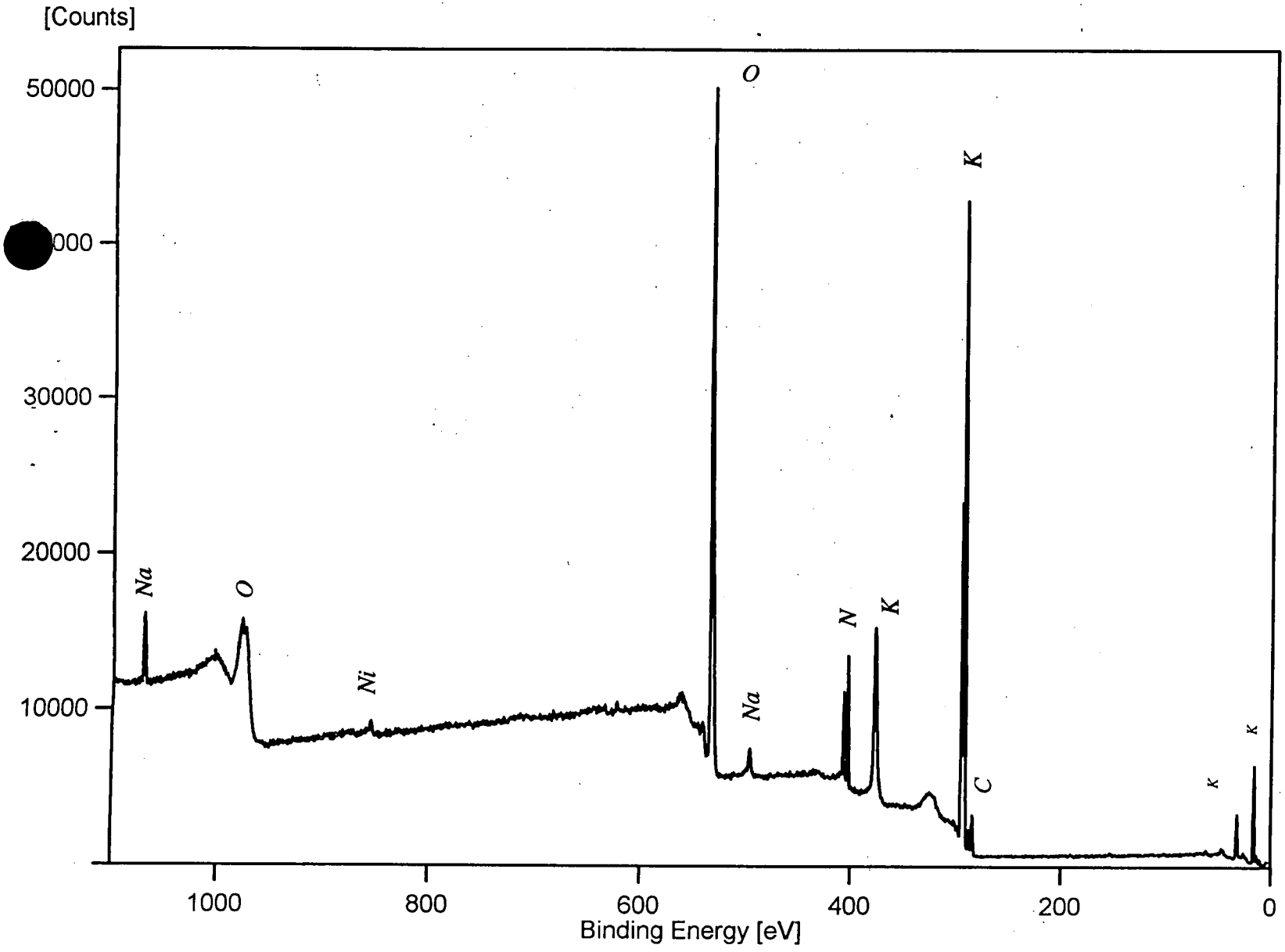


Fig. 17

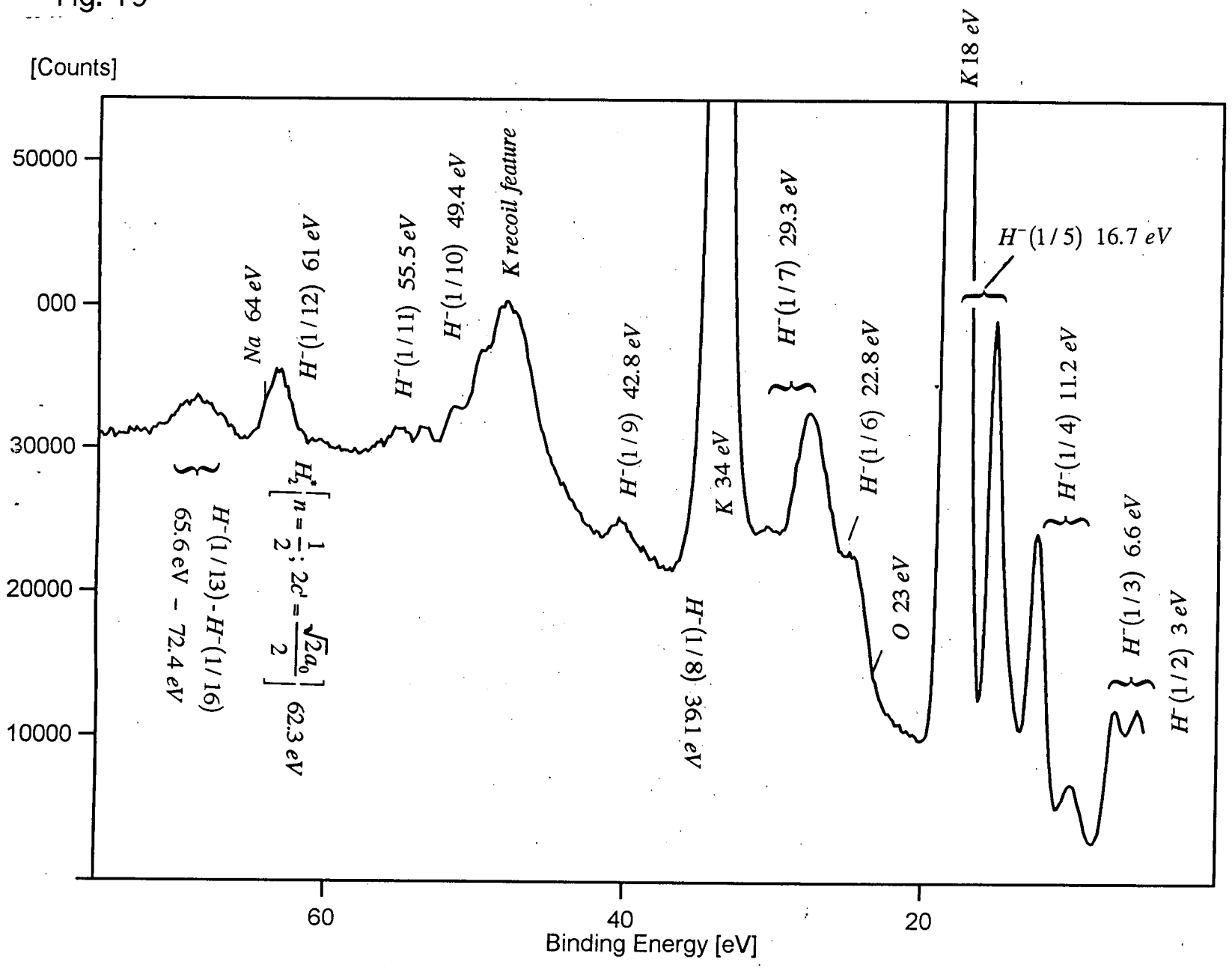
09005294 - 012098

Fig. 18



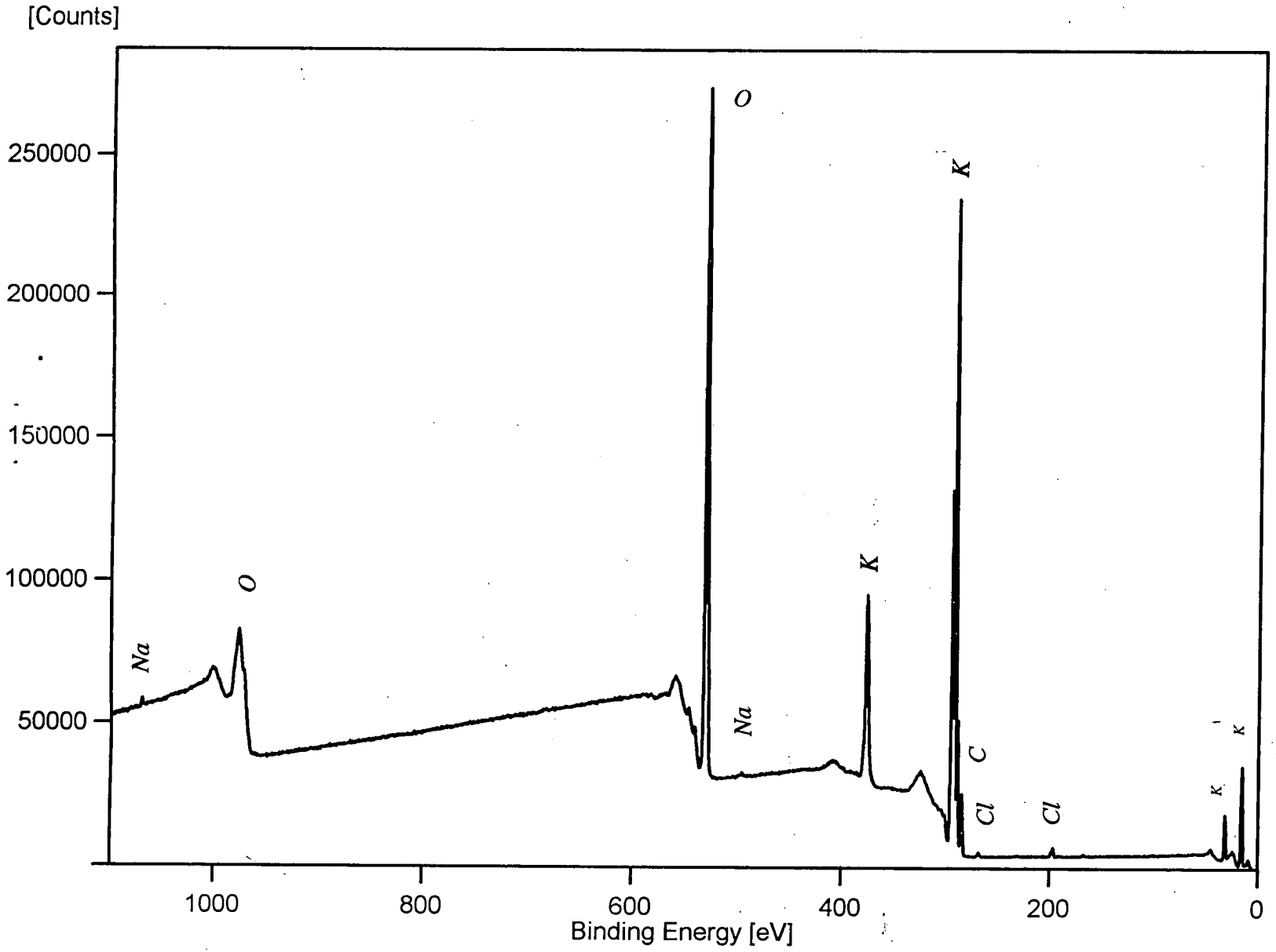
0900294.012098

Fig. 19



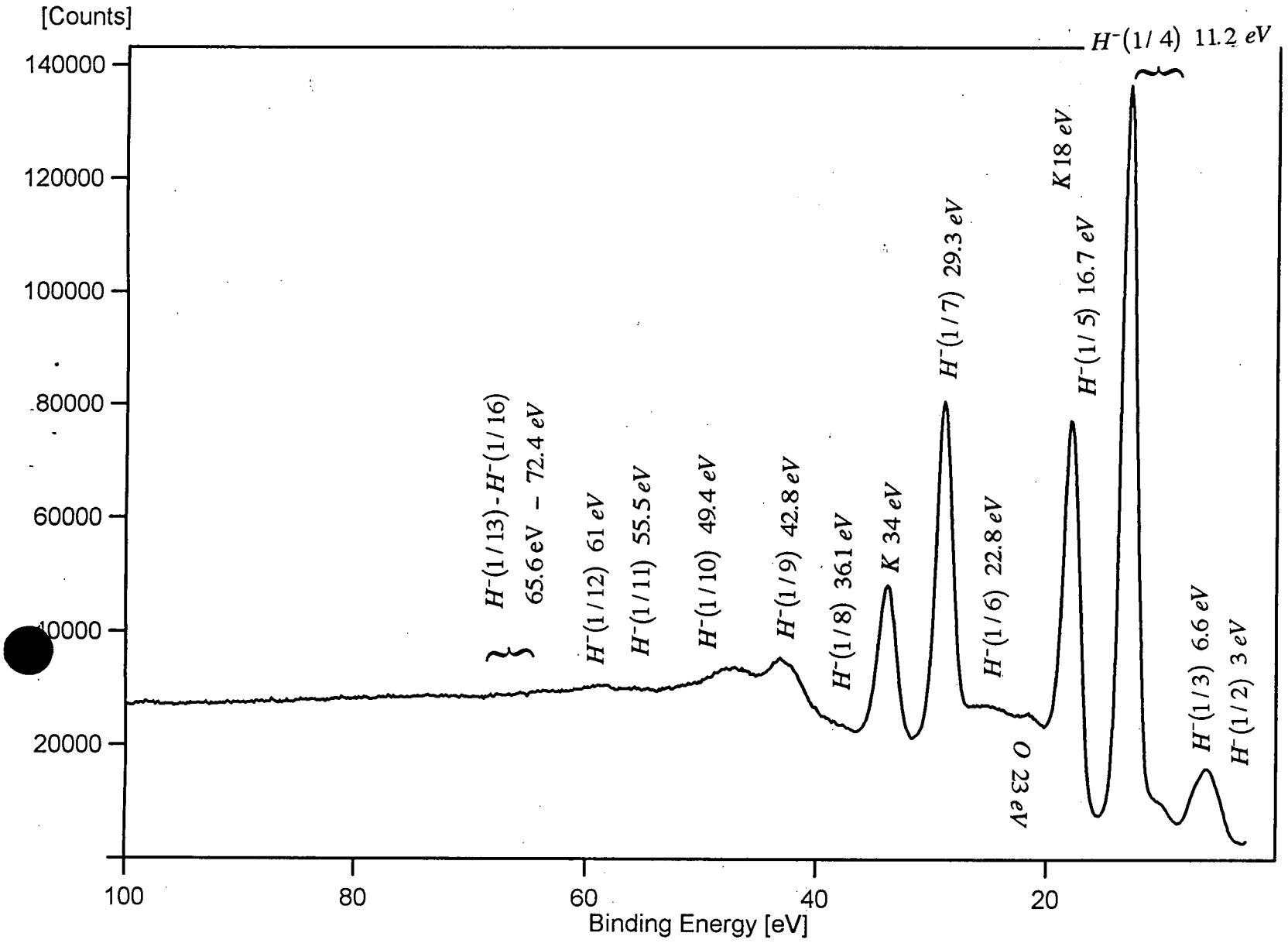
0900294 .012098

Fig. 20



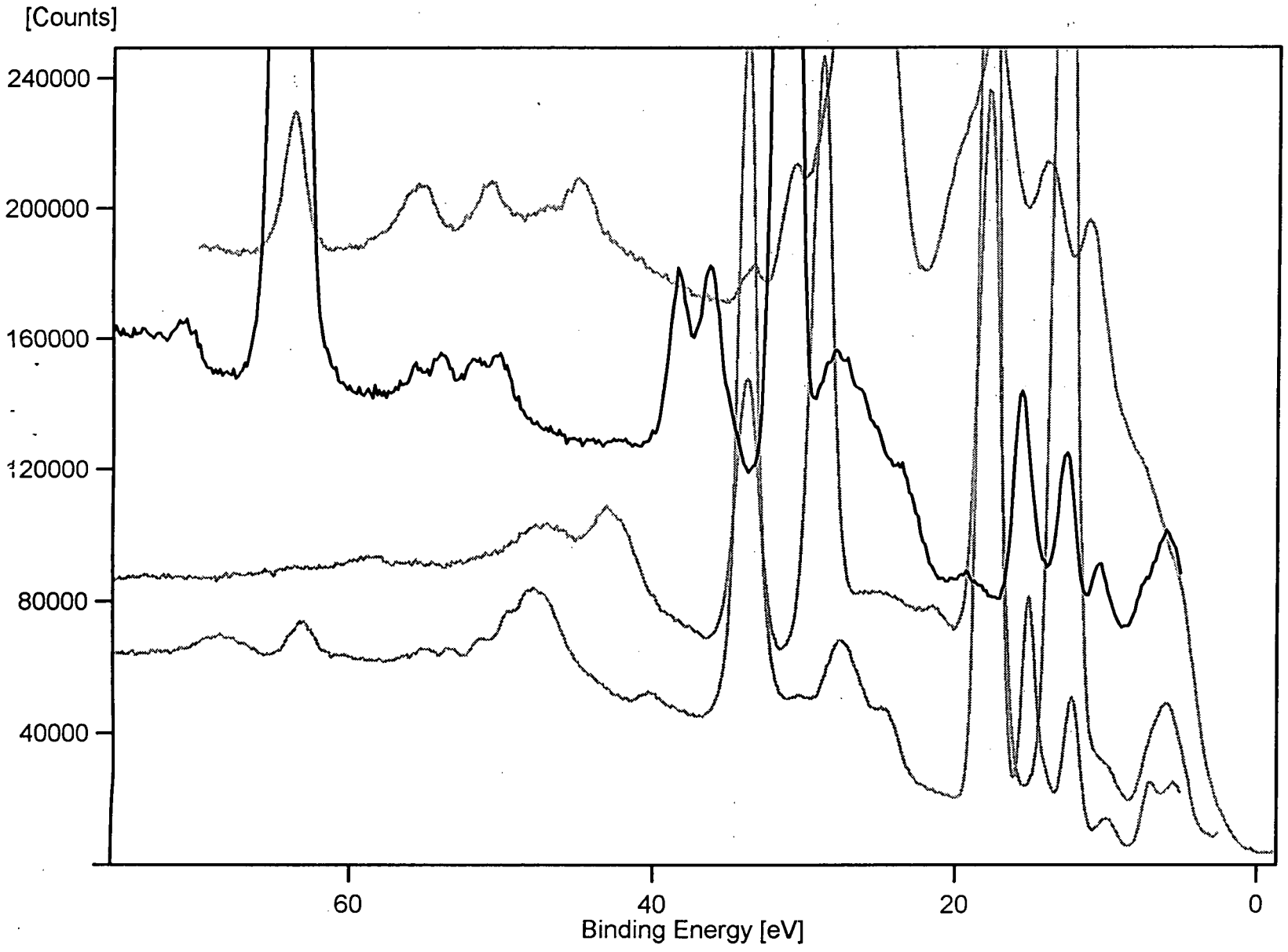
0900929A.012098

Fig. 21



0009294.012098

Fig. 22



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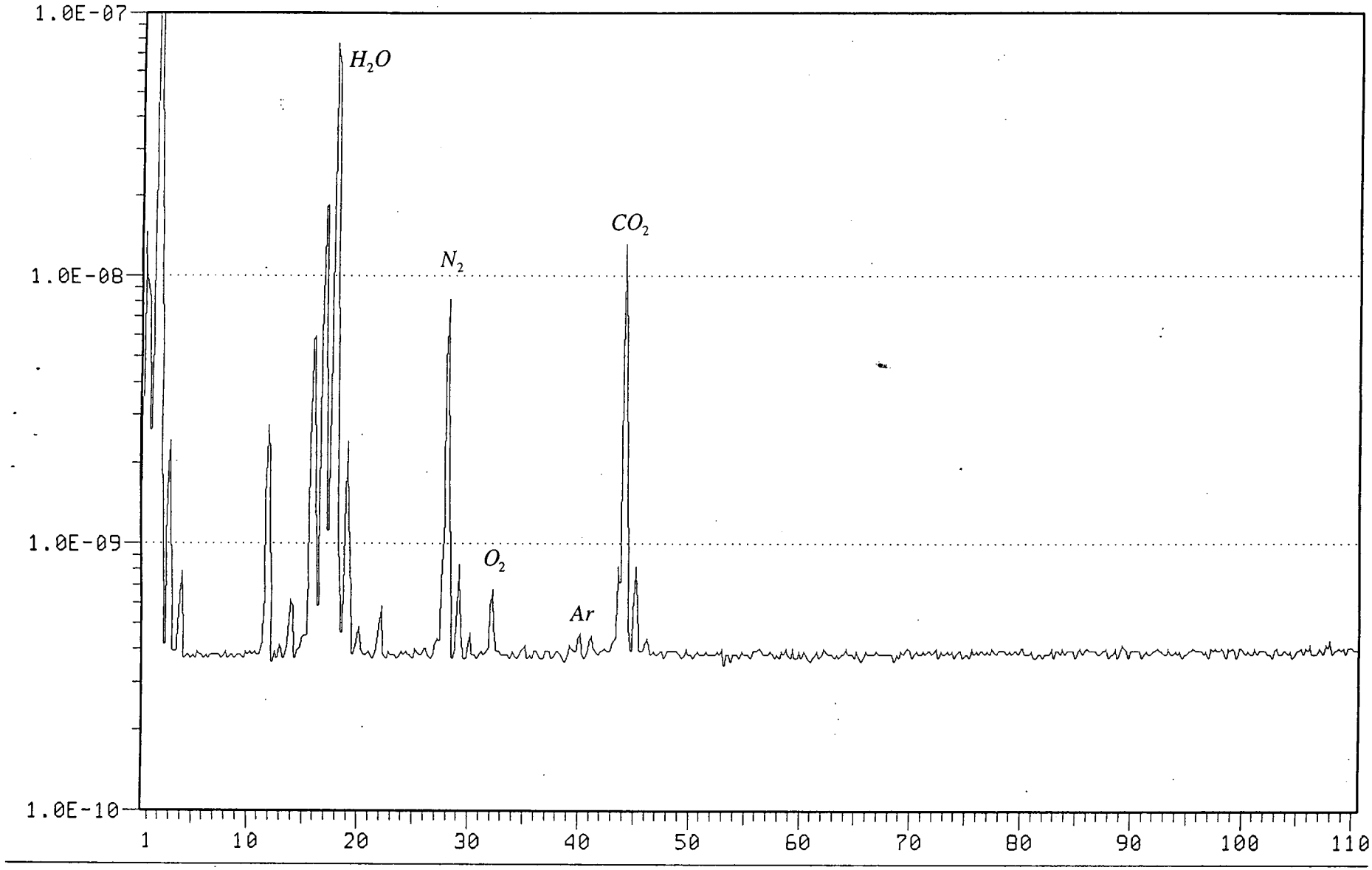

1.0E-07
1.0E-08
1.0E-09
1.0E-10
H_2O
N_2
CO_2
O_2
Ar
1
10
20
30
40
50
60
70
80
90
100
110

Fig. 23

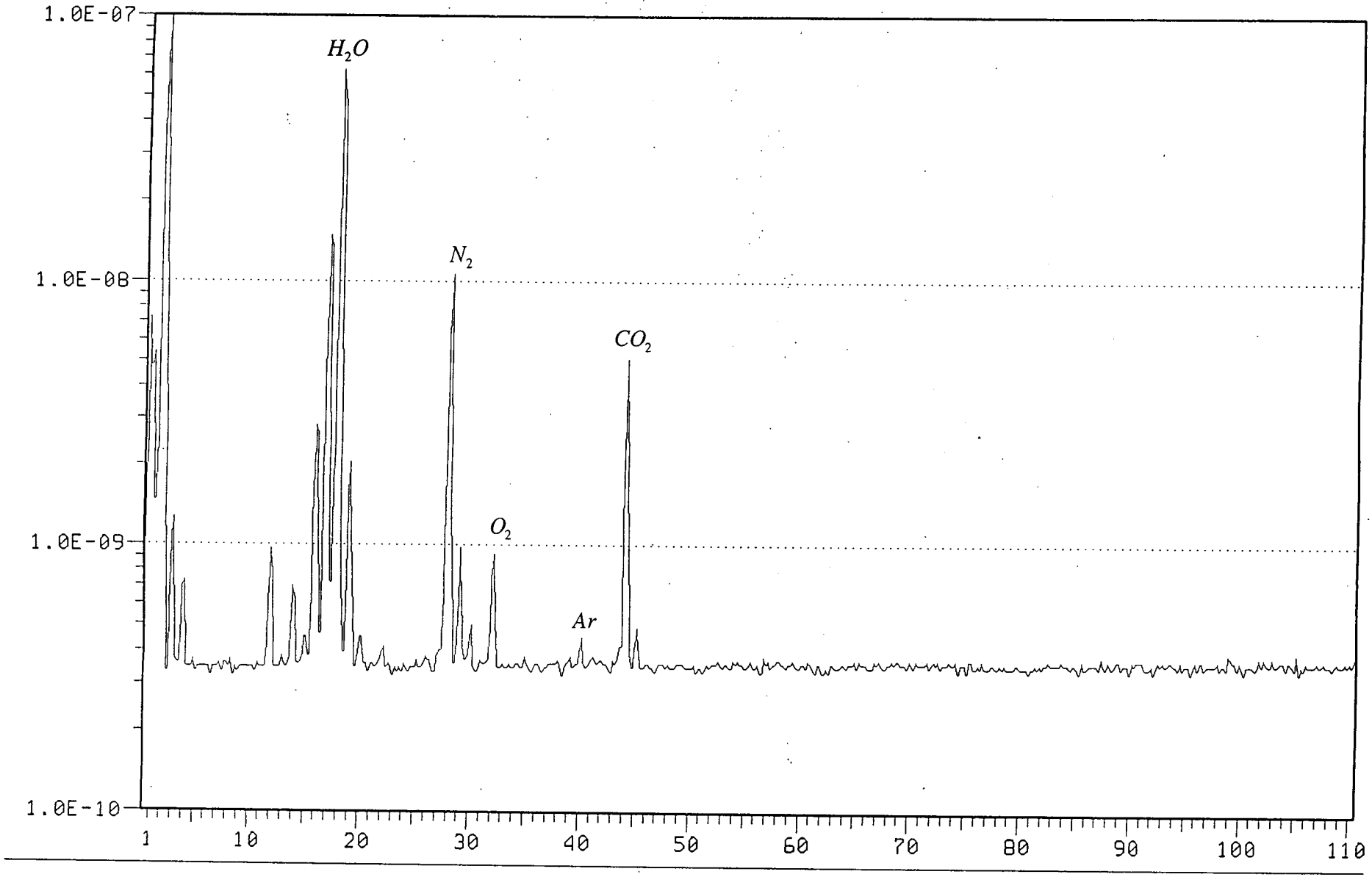

1.0E-07
1.0E-08
1.0E-09
1.0E-10
H_2O
N_2
O_2
Ar
CO_2
1
10
20
30
40
50
60
70
80
90
100
110

Fig. 24

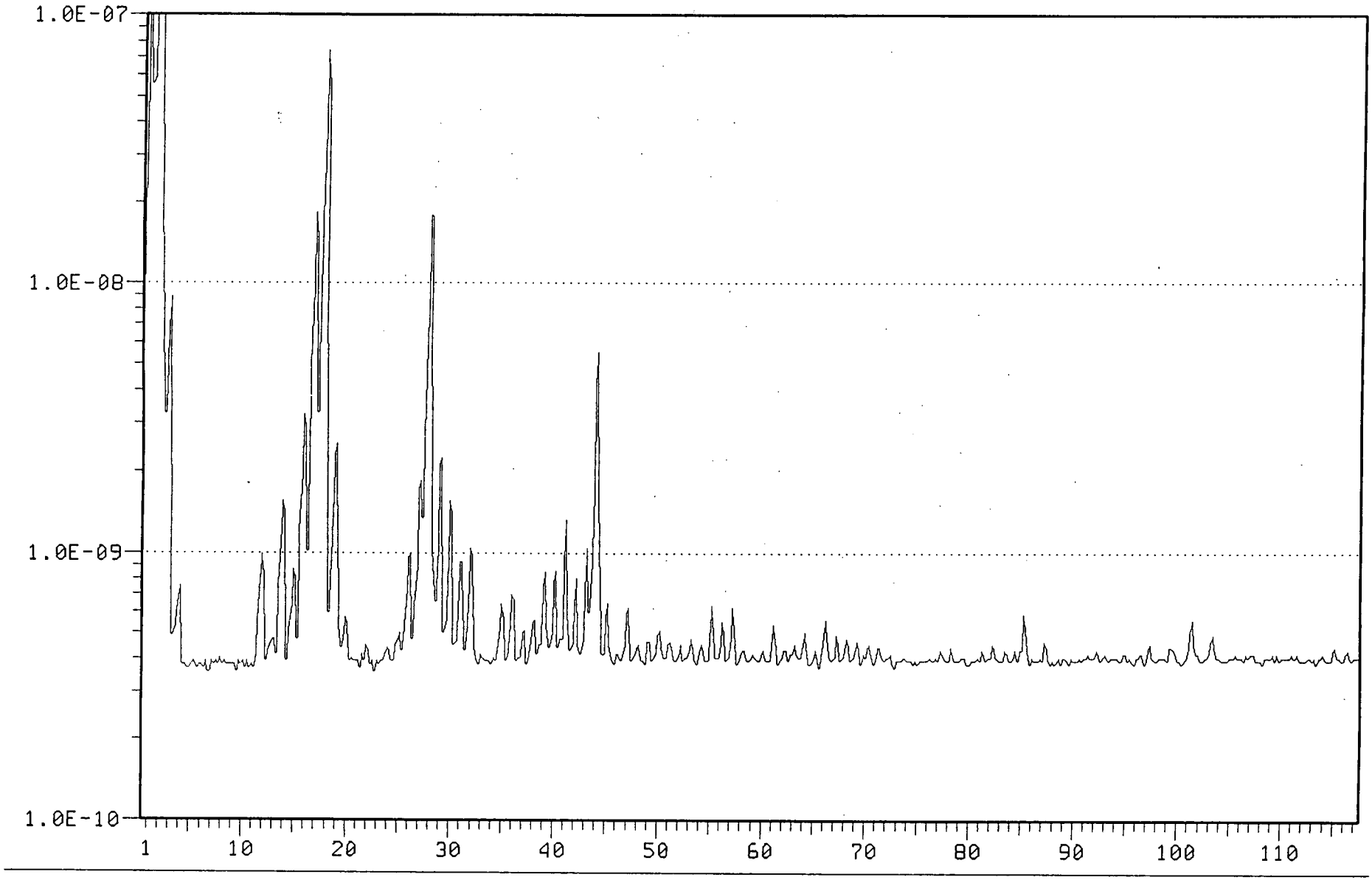


Fig. 25

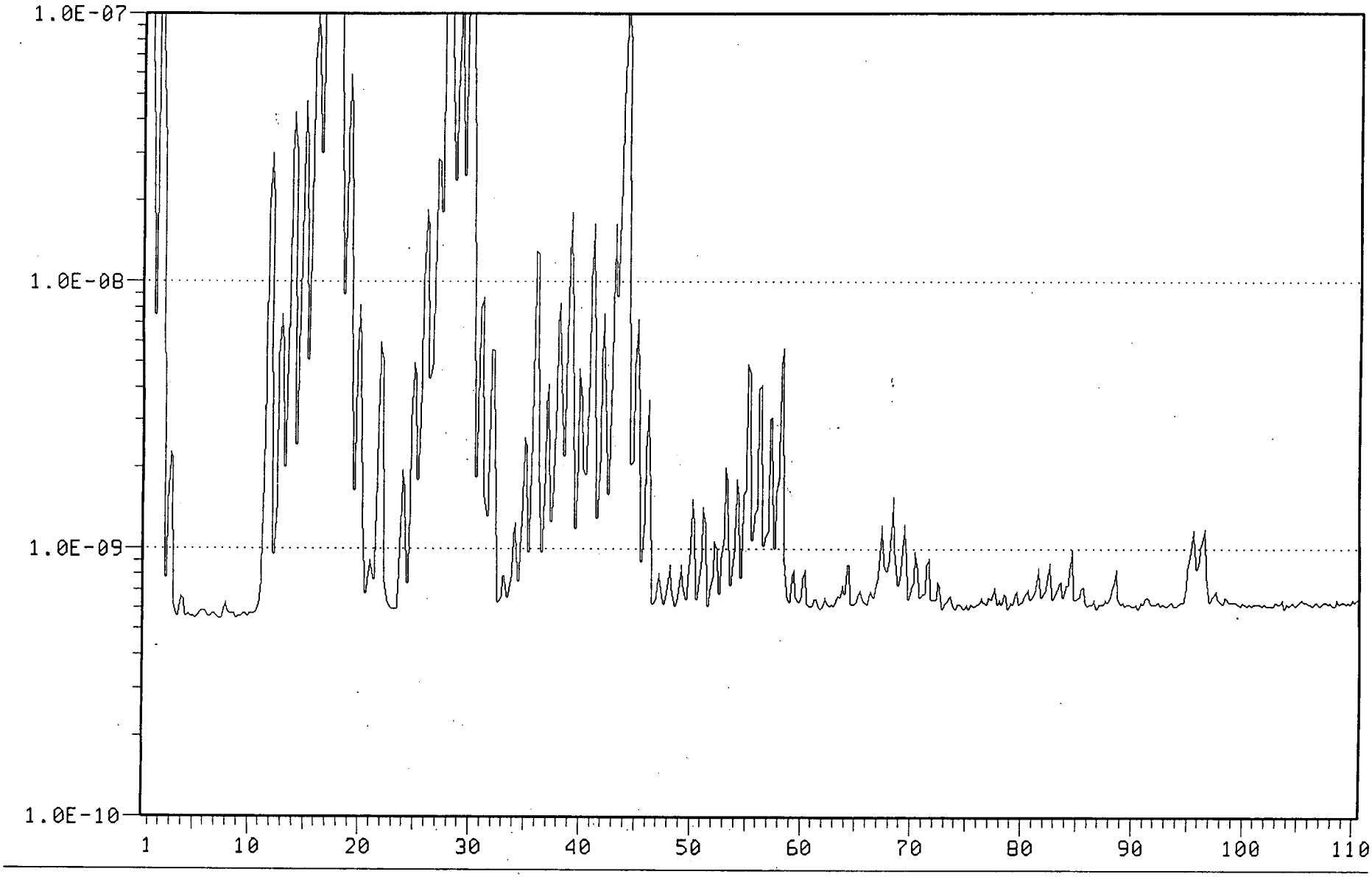


Fig. 26

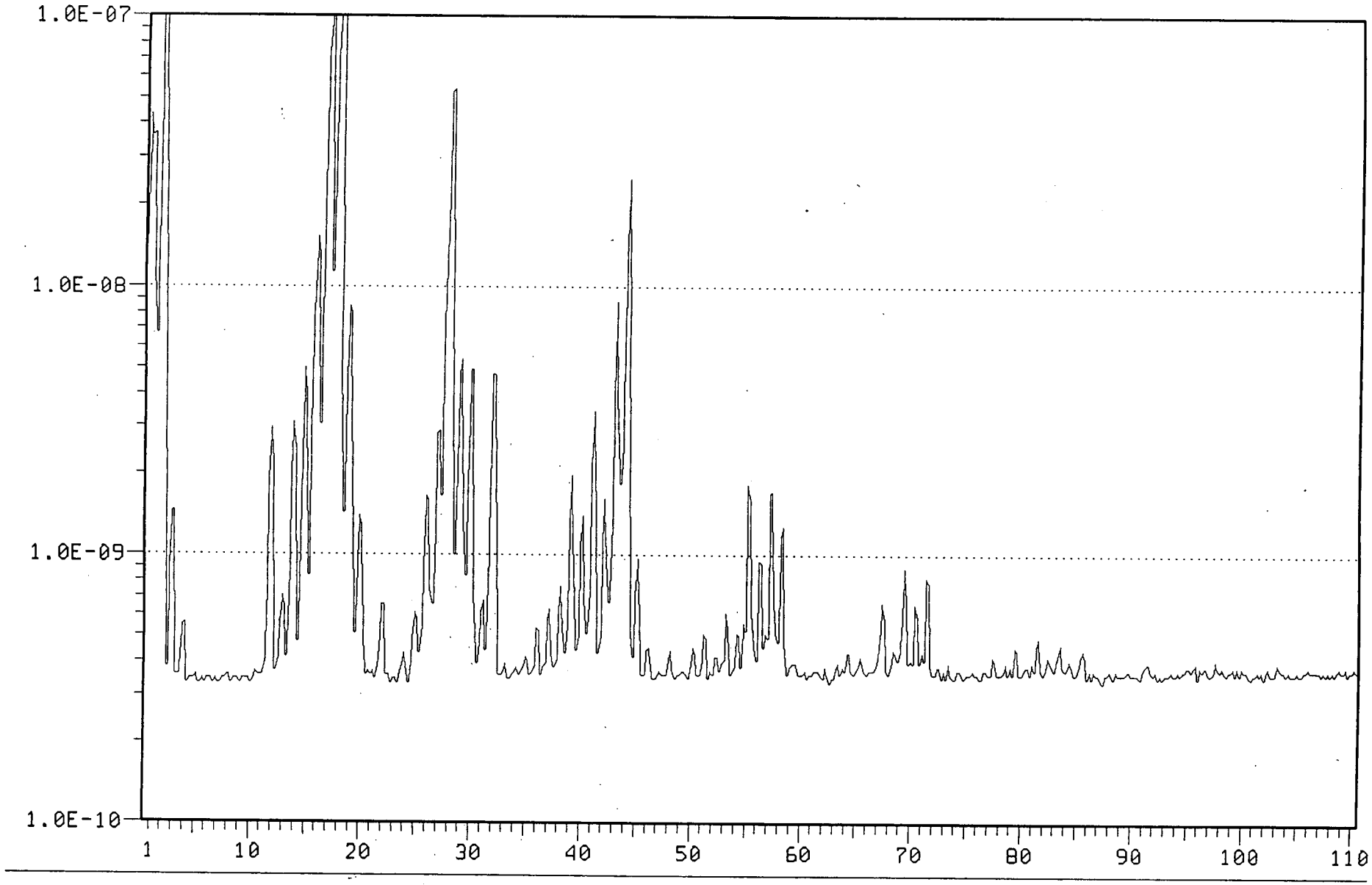


Fig. 27

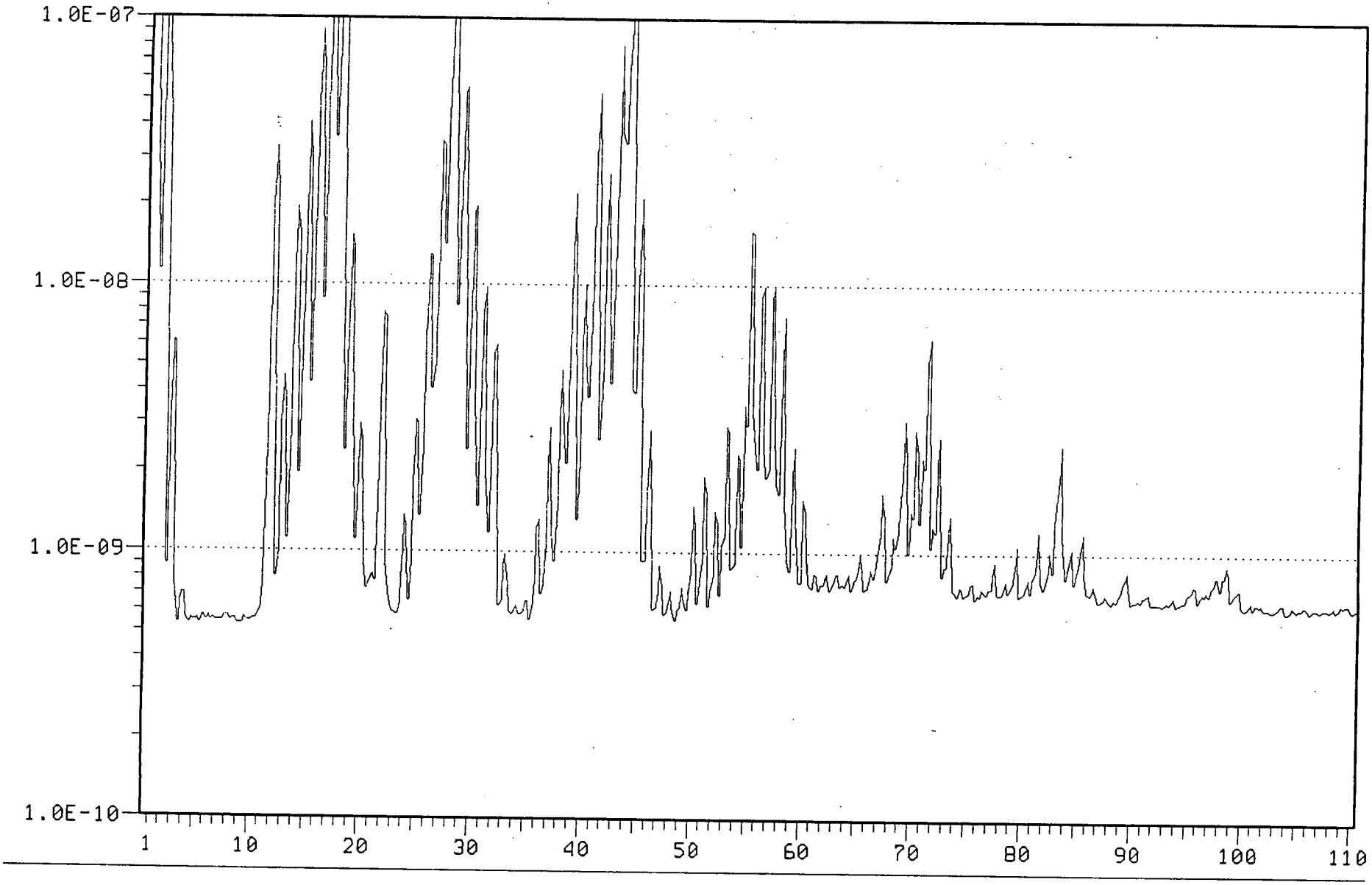
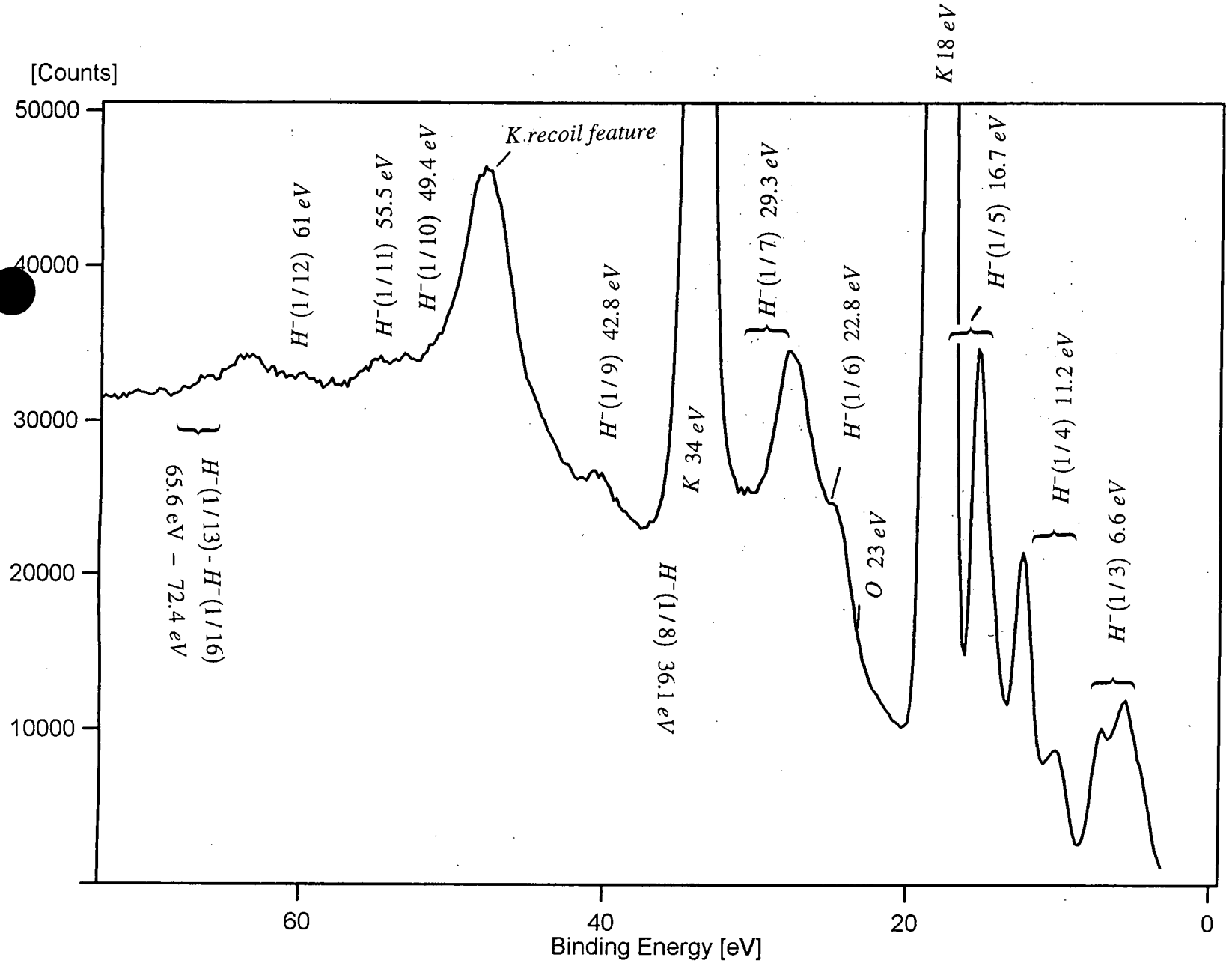


Fig. 28

Fig. 29



0900929 4 . 012098

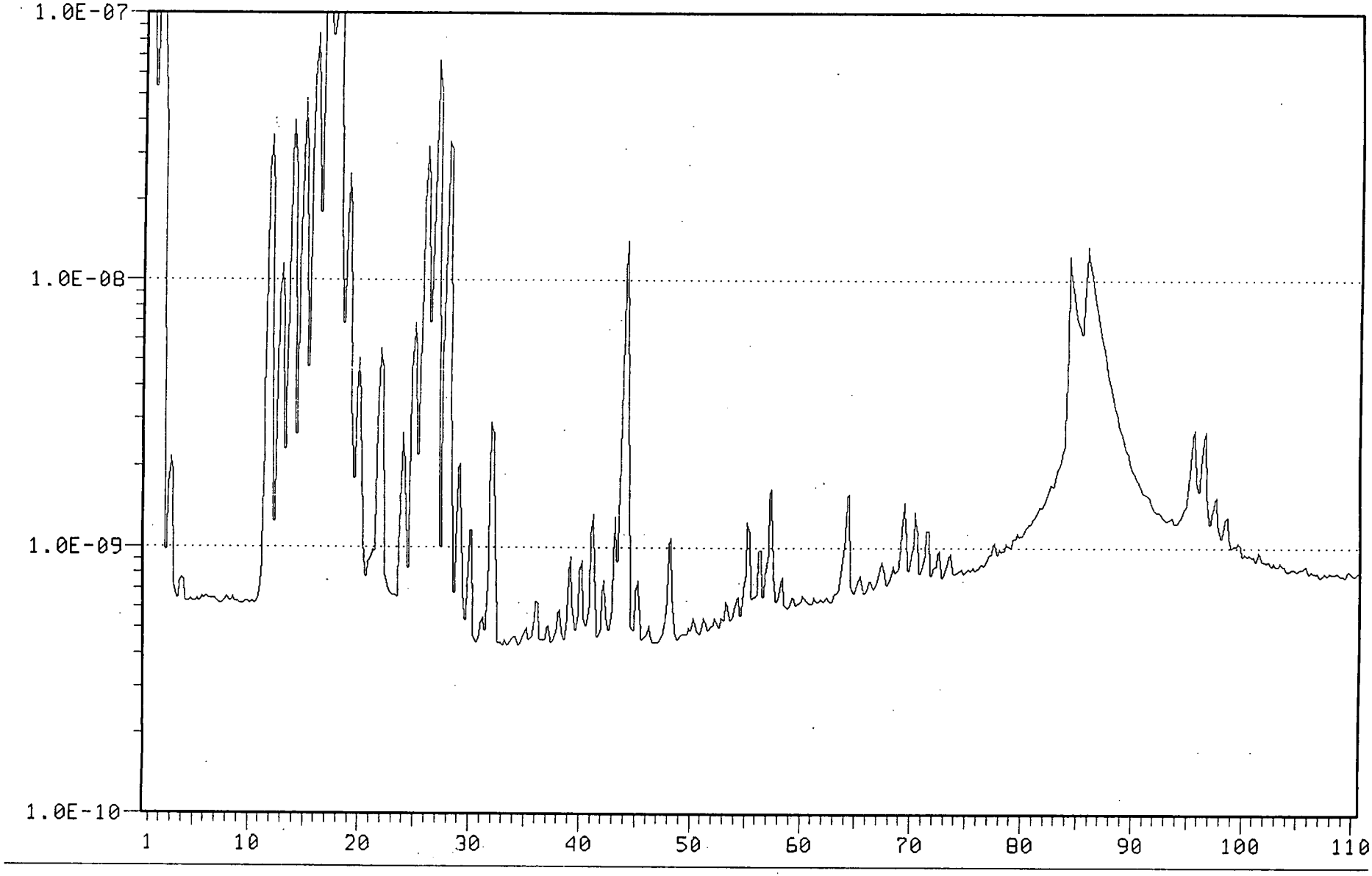


Fig. 30

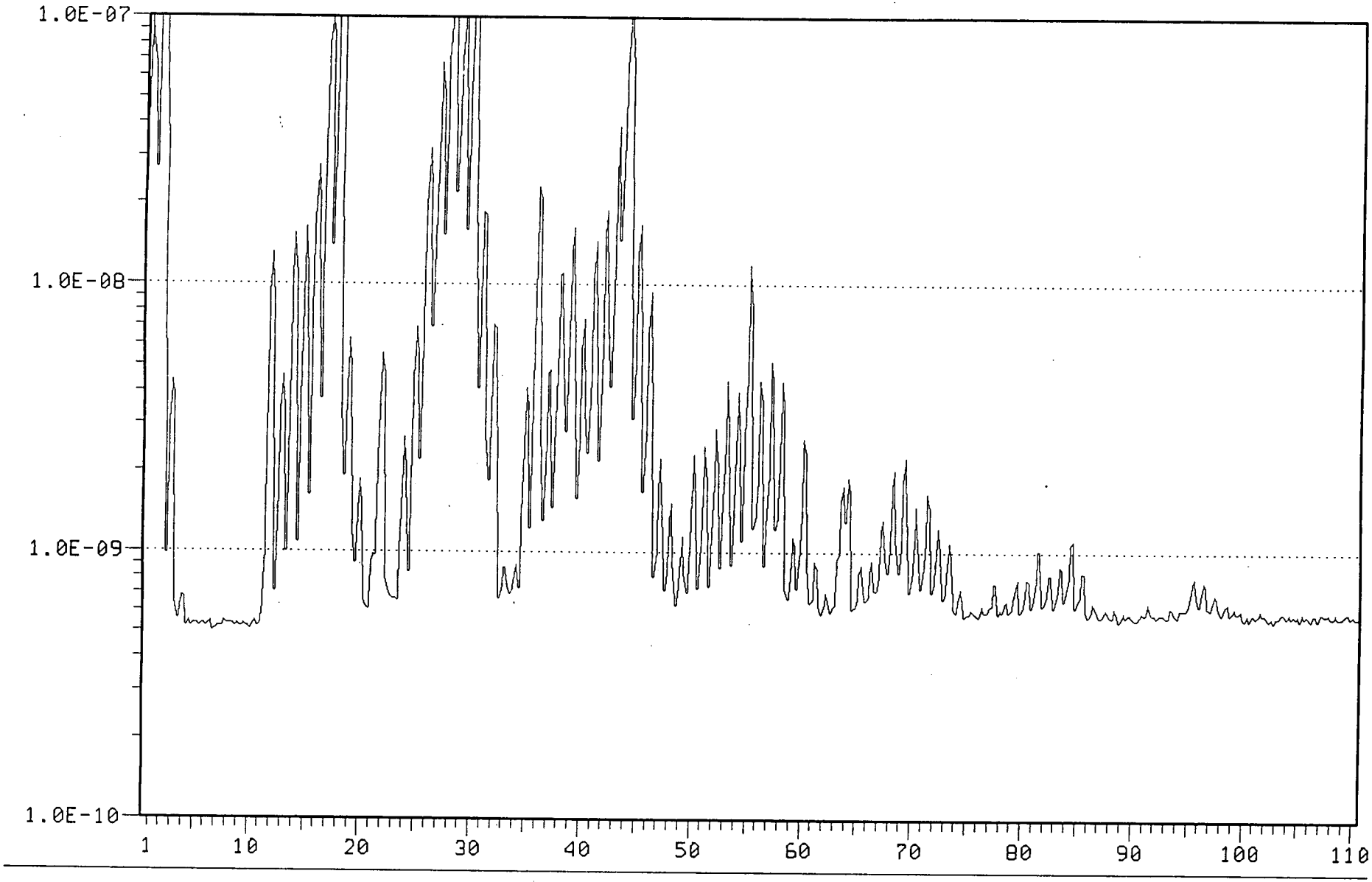


Fig. 31

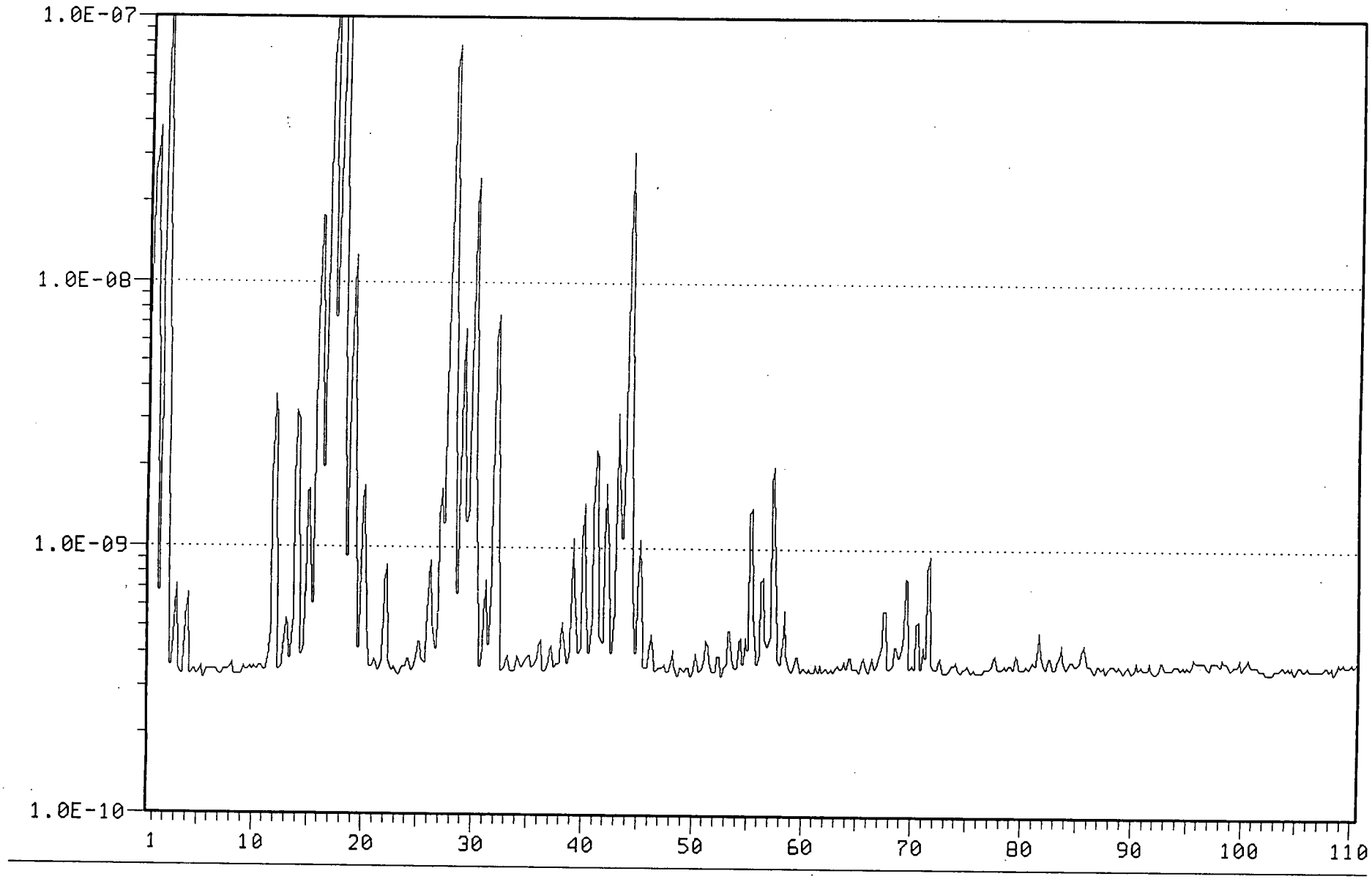


Fig. 32

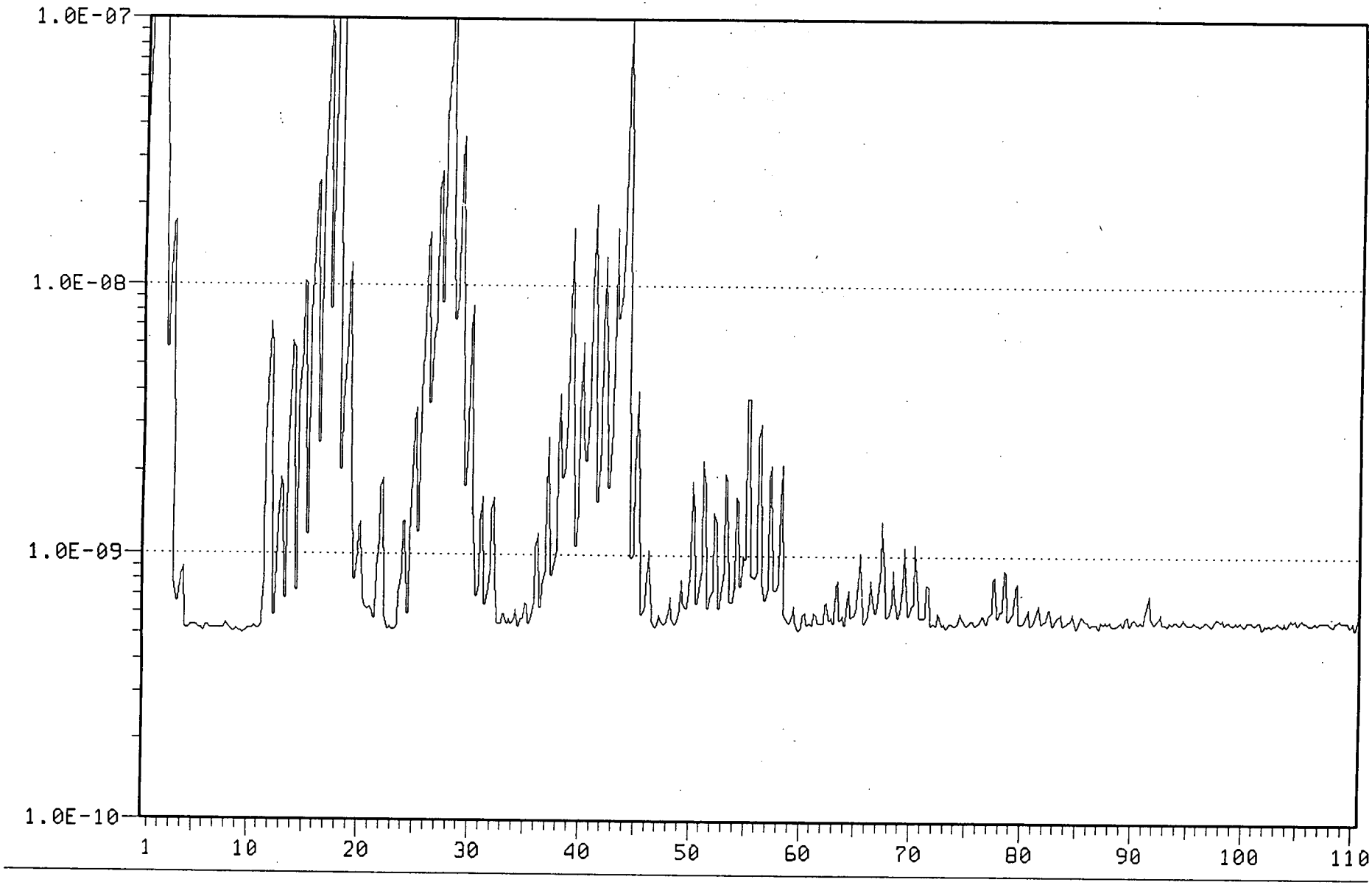


Fig. 33

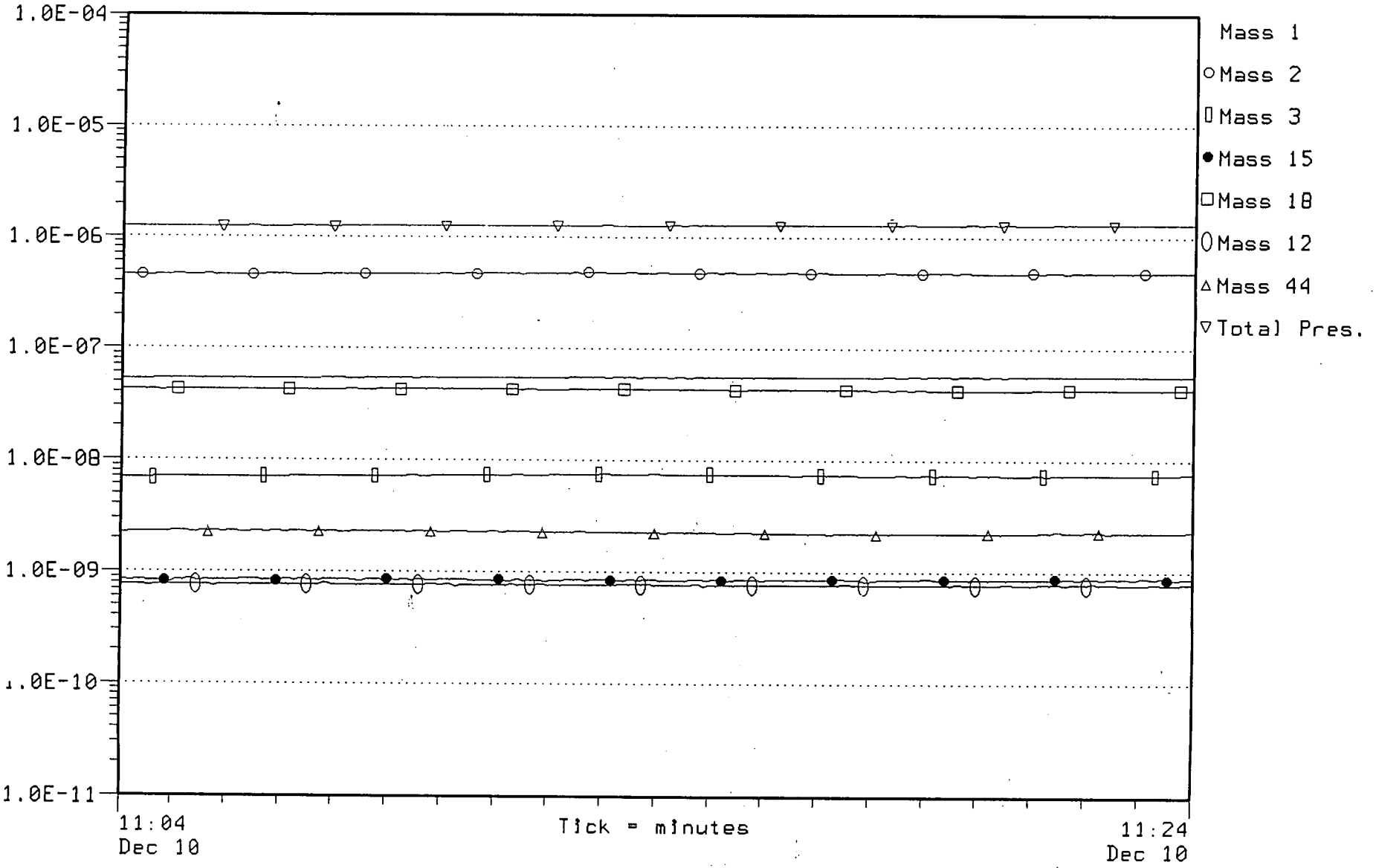


Fig. 34

09009294.012098

Fig. 35

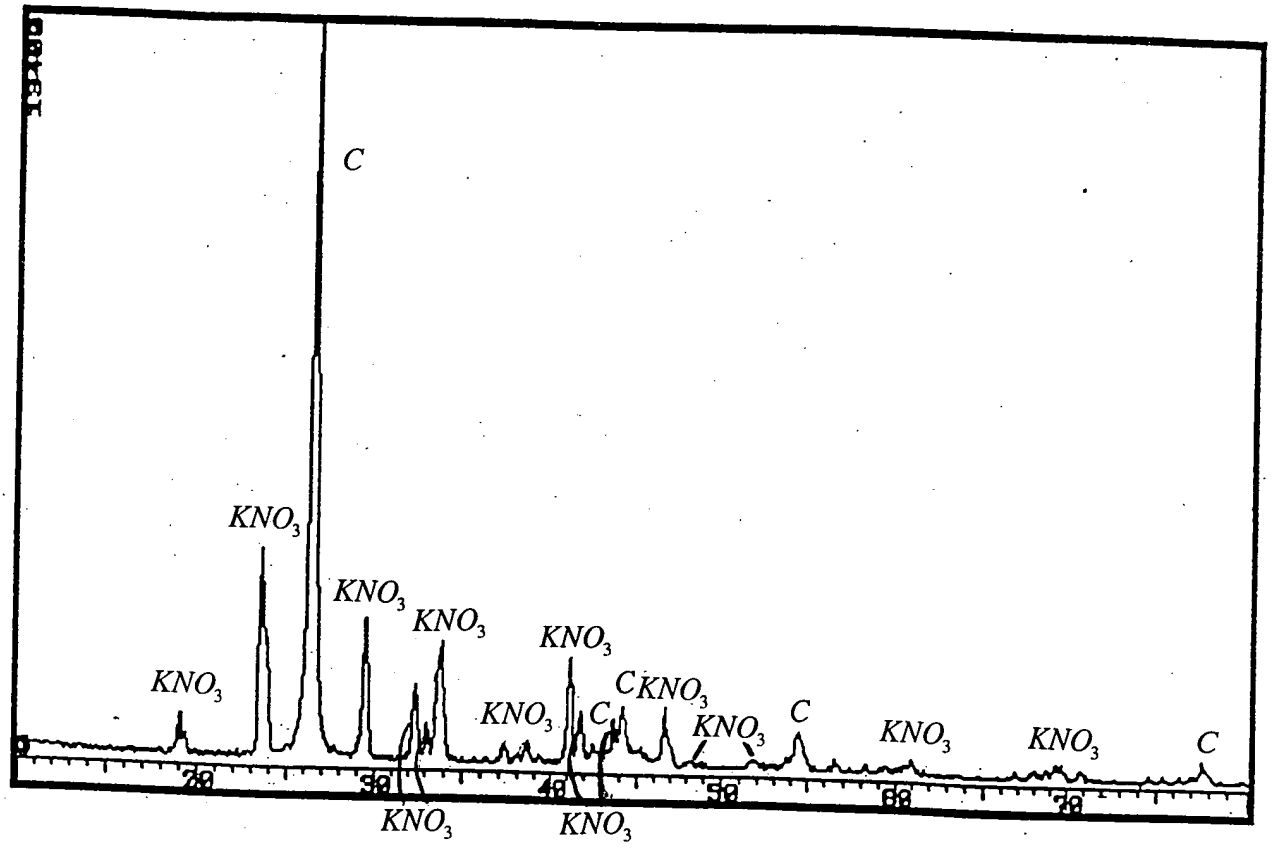

C
KNO3
KNO3
KNO3
KNO3
KNO3
KNO3
C
C
KNO3
KNO3
C
KNO3
KNO3
C
KNO3
KNO3
20
30
40
50
60
70

Fig. 36

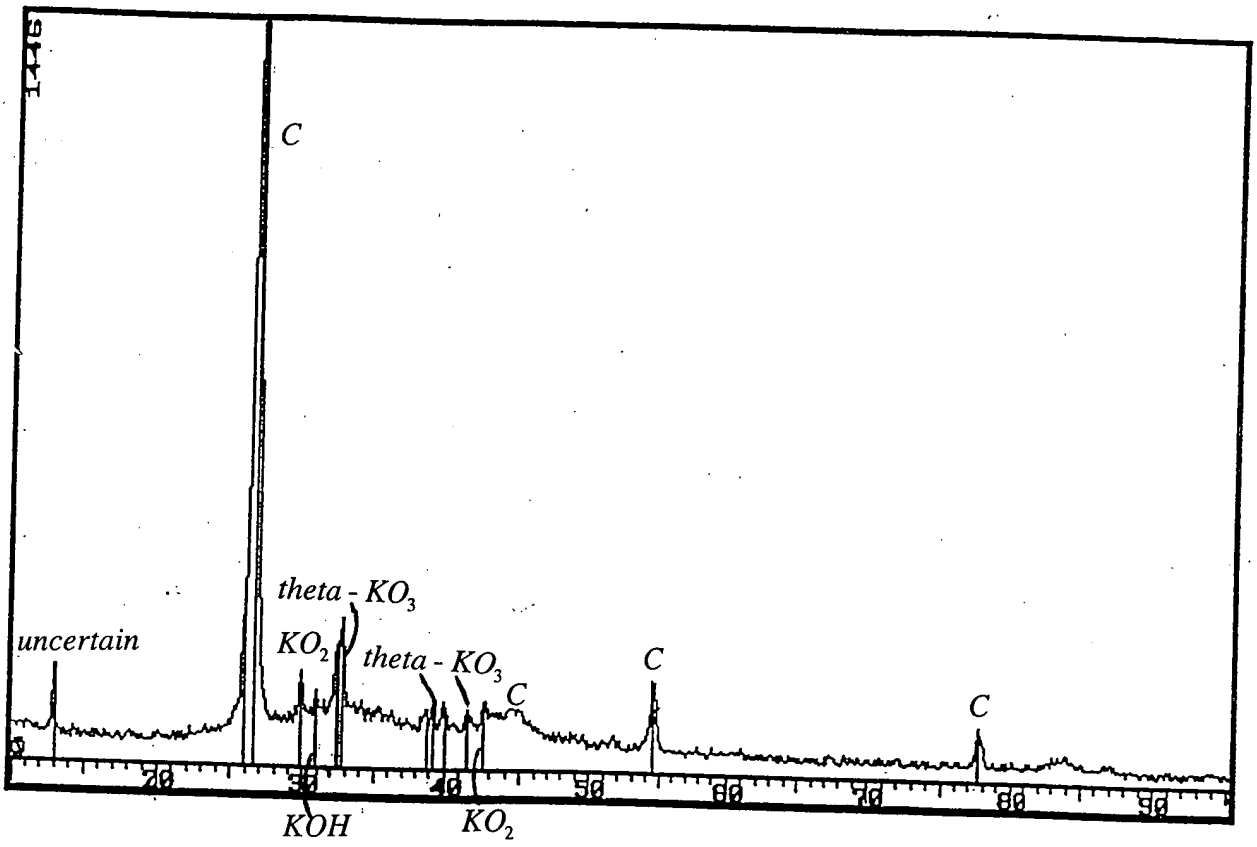
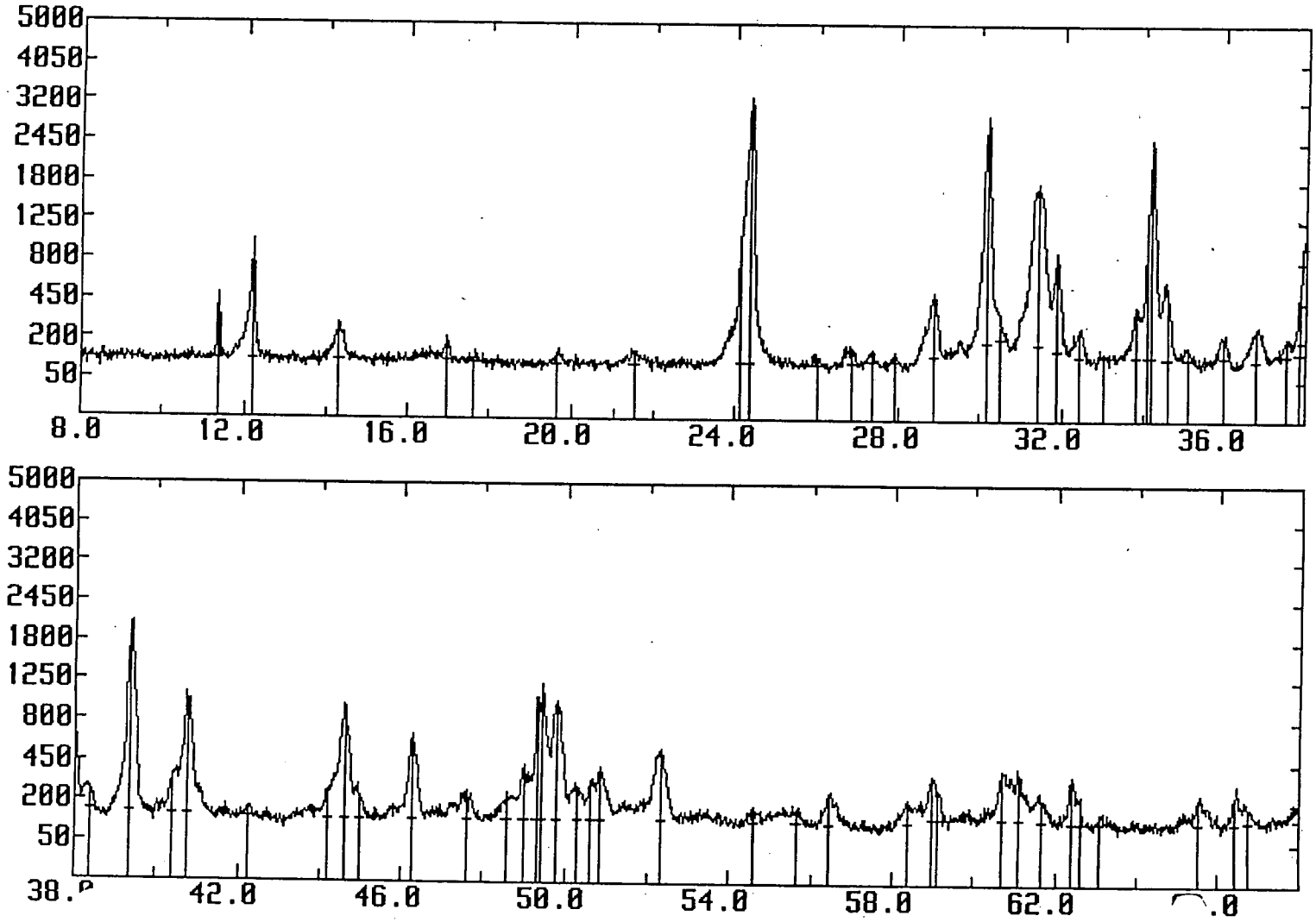


Fig. 37



0900929A:012098

Fig. 38

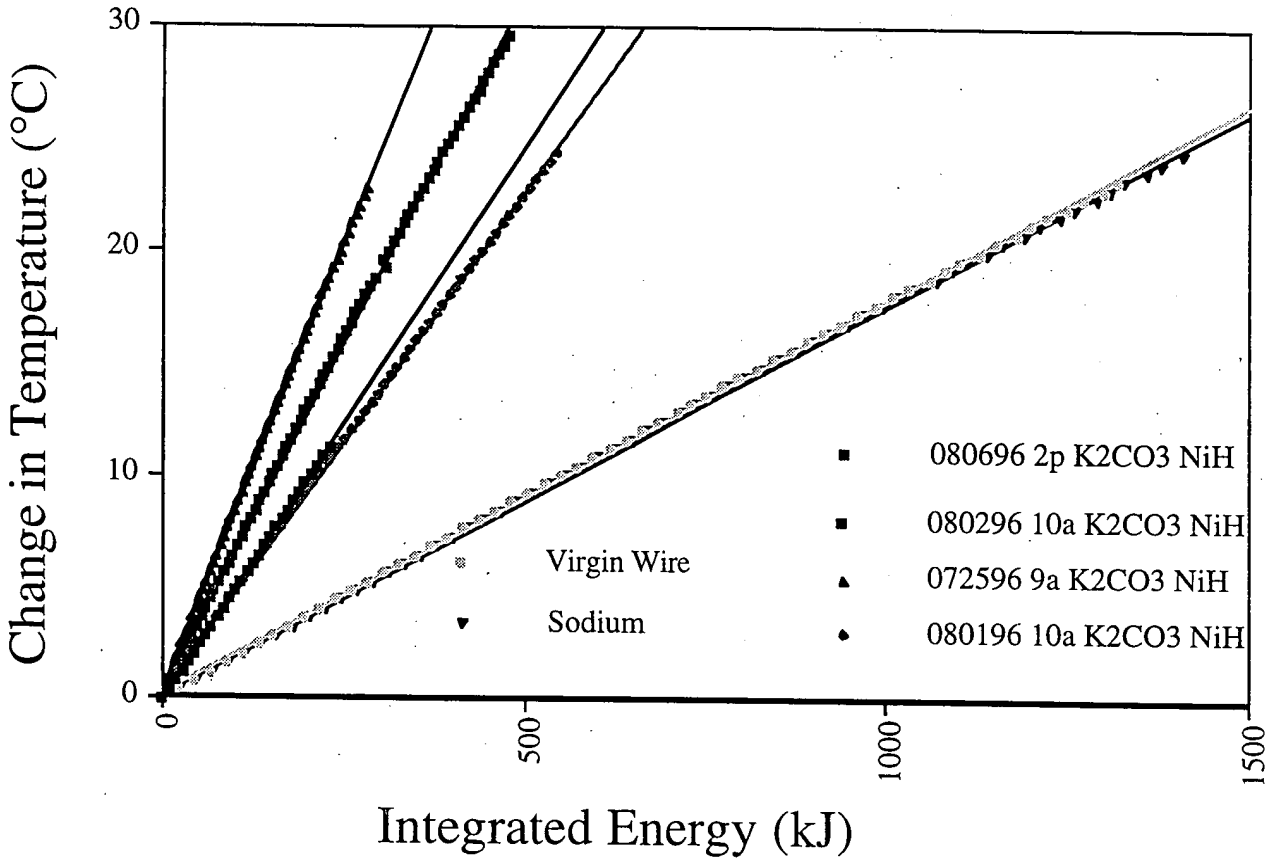

Change in Temperature (°C)
30
20
10
0
0
500
1000
1500
Integrated Energy (kJ)
Virgin Wire
Sodium
080696 2p K2CO3 NiH
080296 10a K2CO3 NiH
072596 9a K2CO3 NiH
080196 10a K2CO3 NiH

Fig. 39

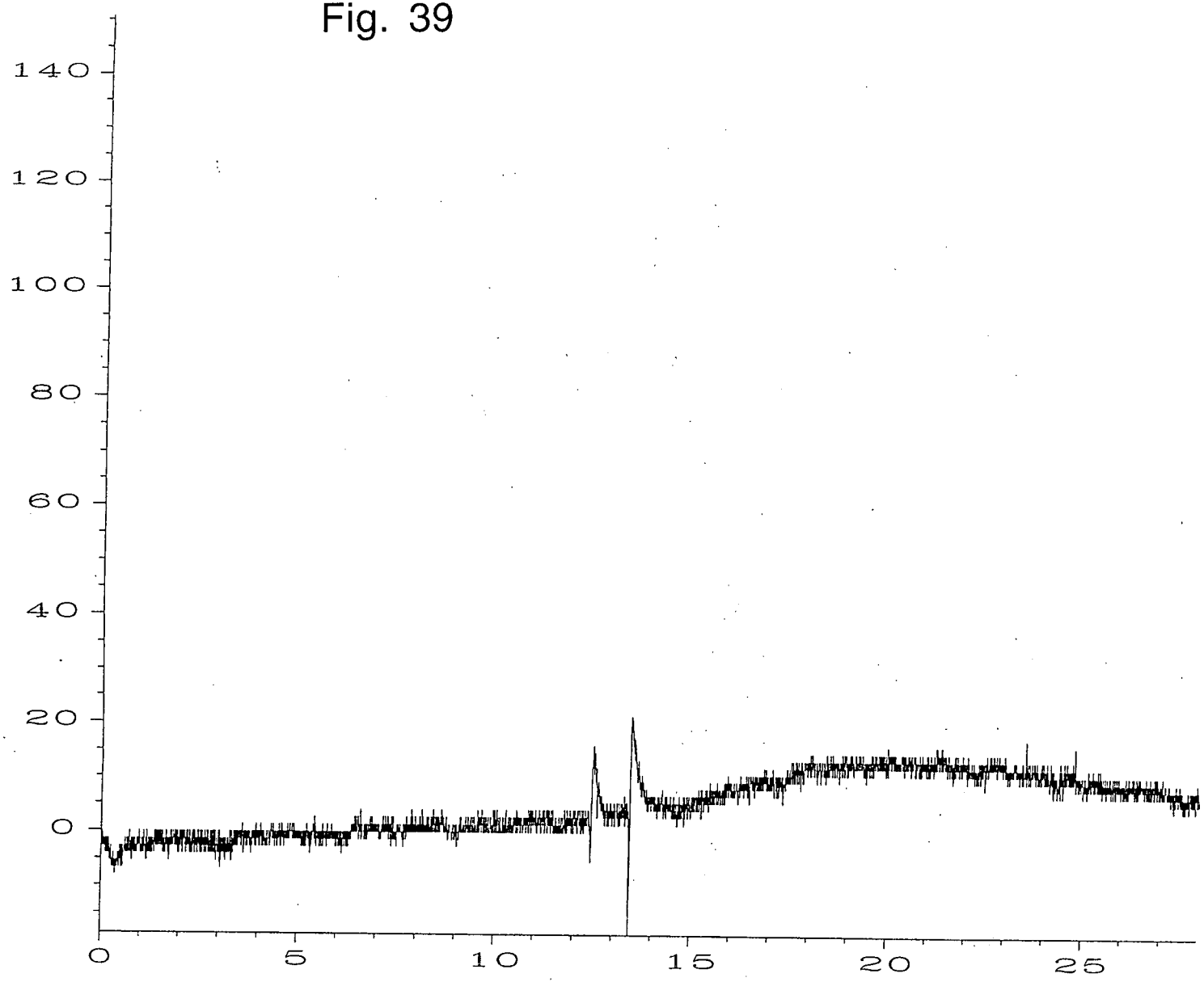


Fig. 40

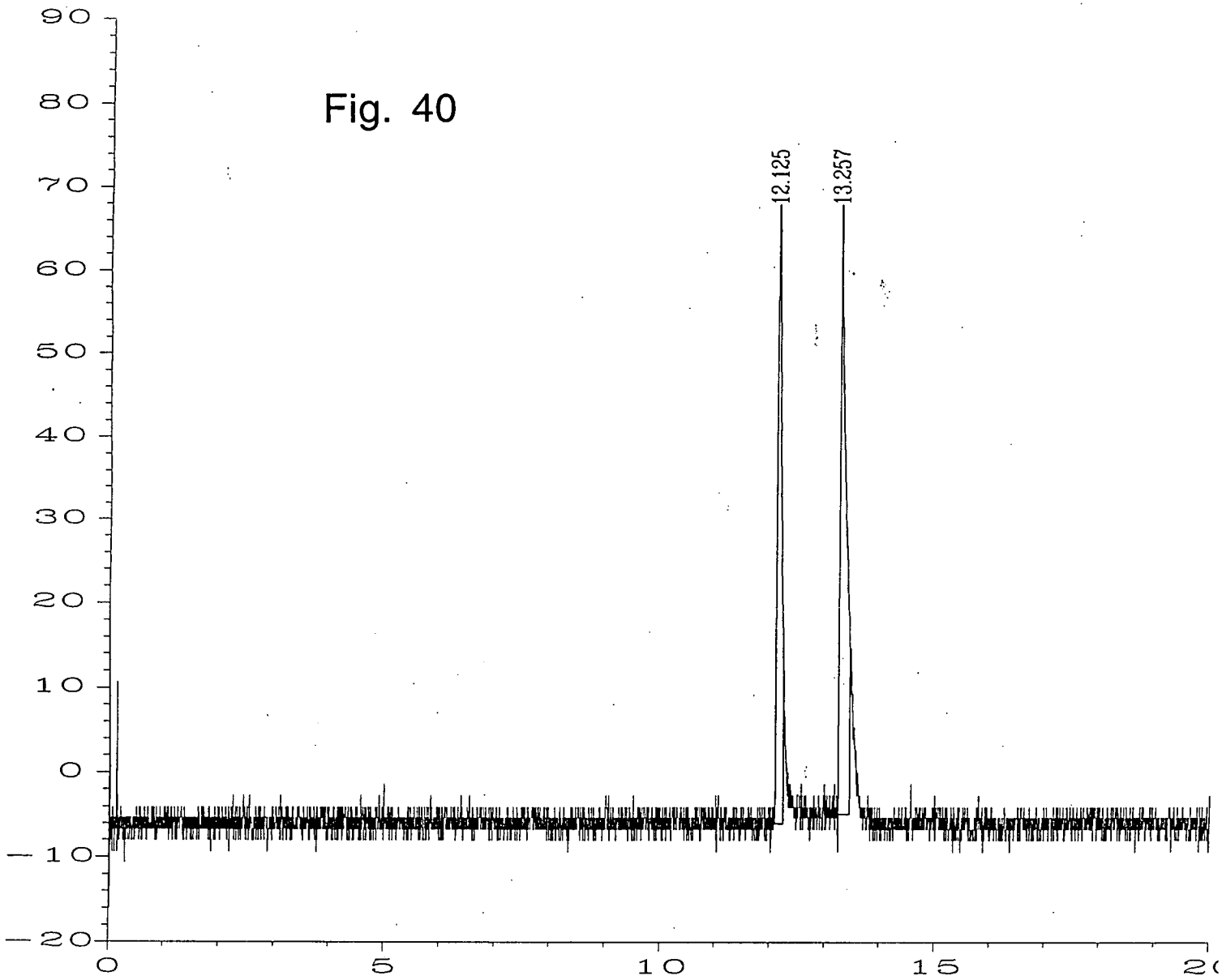


Fig. 41

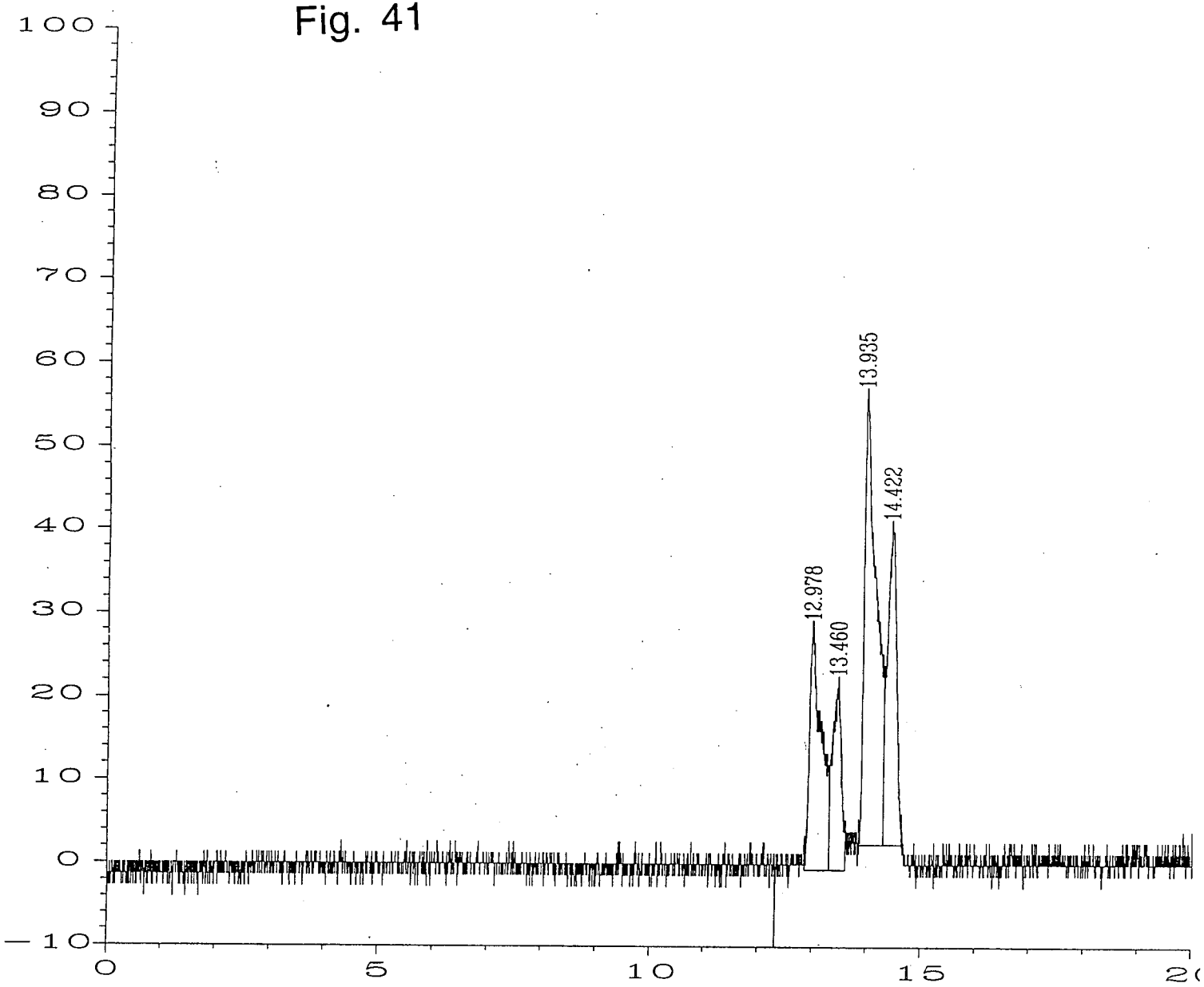
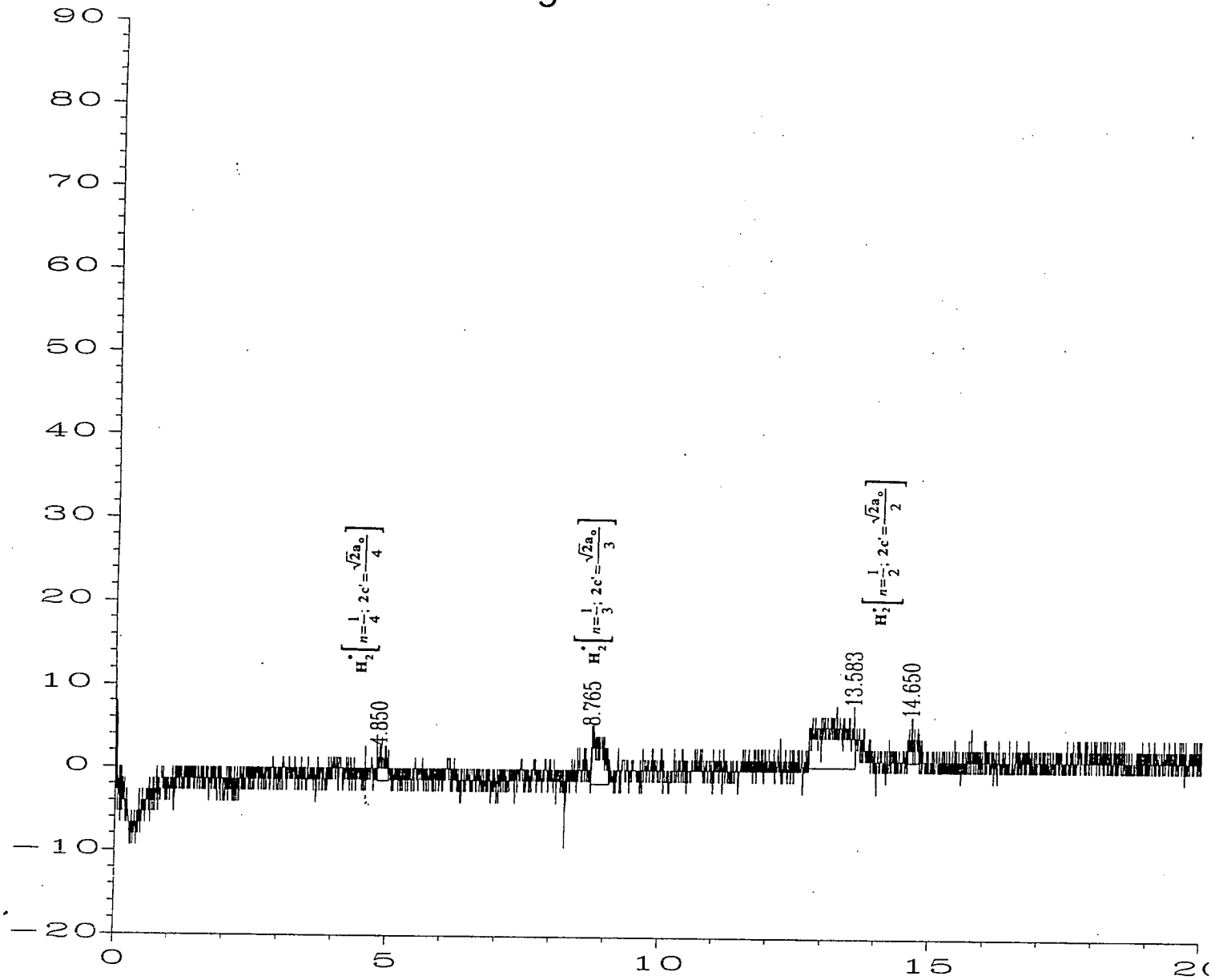
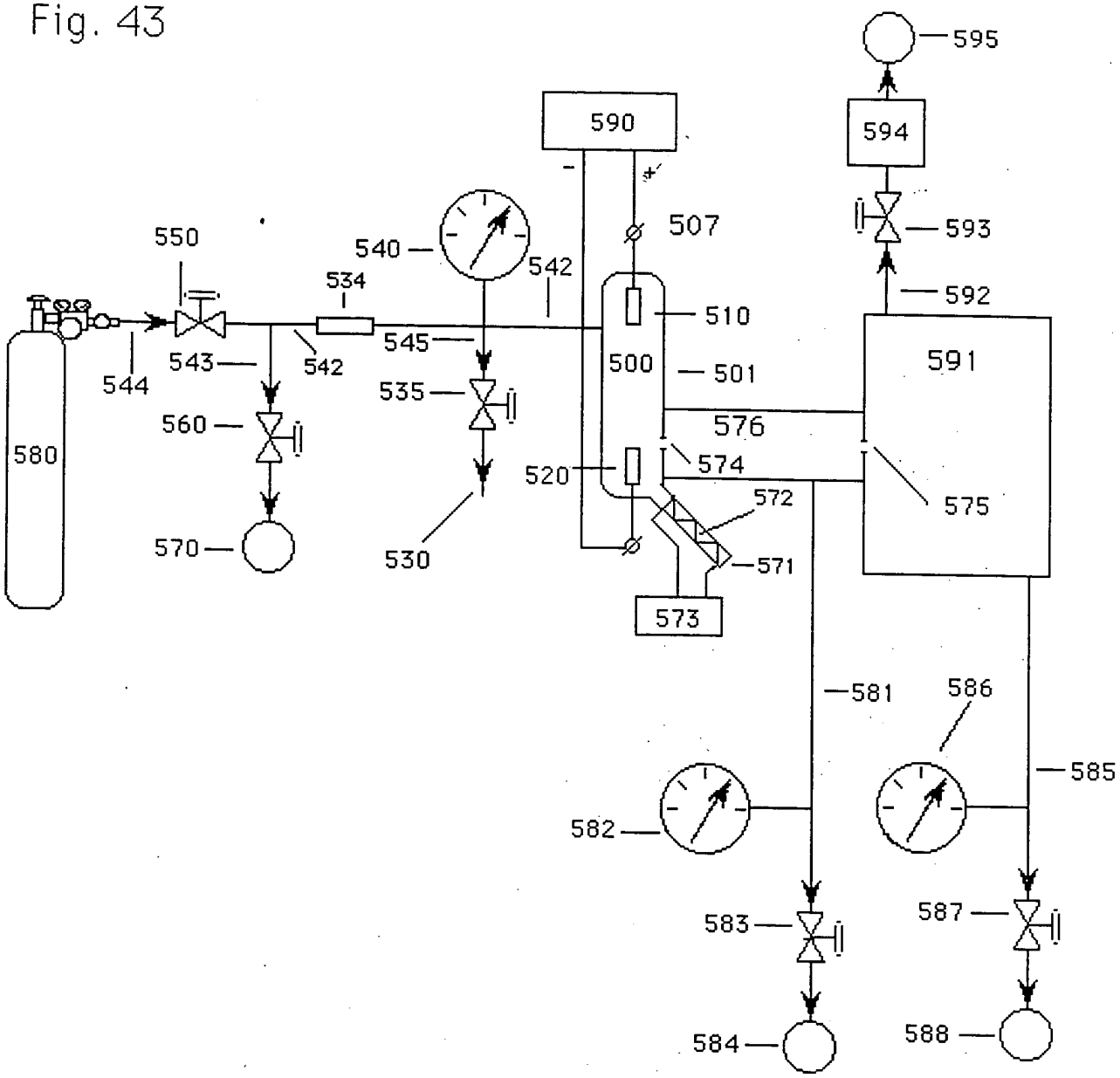

100
90
80
70
60
50
40
30
20
10
0
-10
0
5
10
15
20
12.978
13.460
13.935
14.422

Fig. 42



0900929A1.012098

Fig. 43



96027.0-46256060

Fig. 44

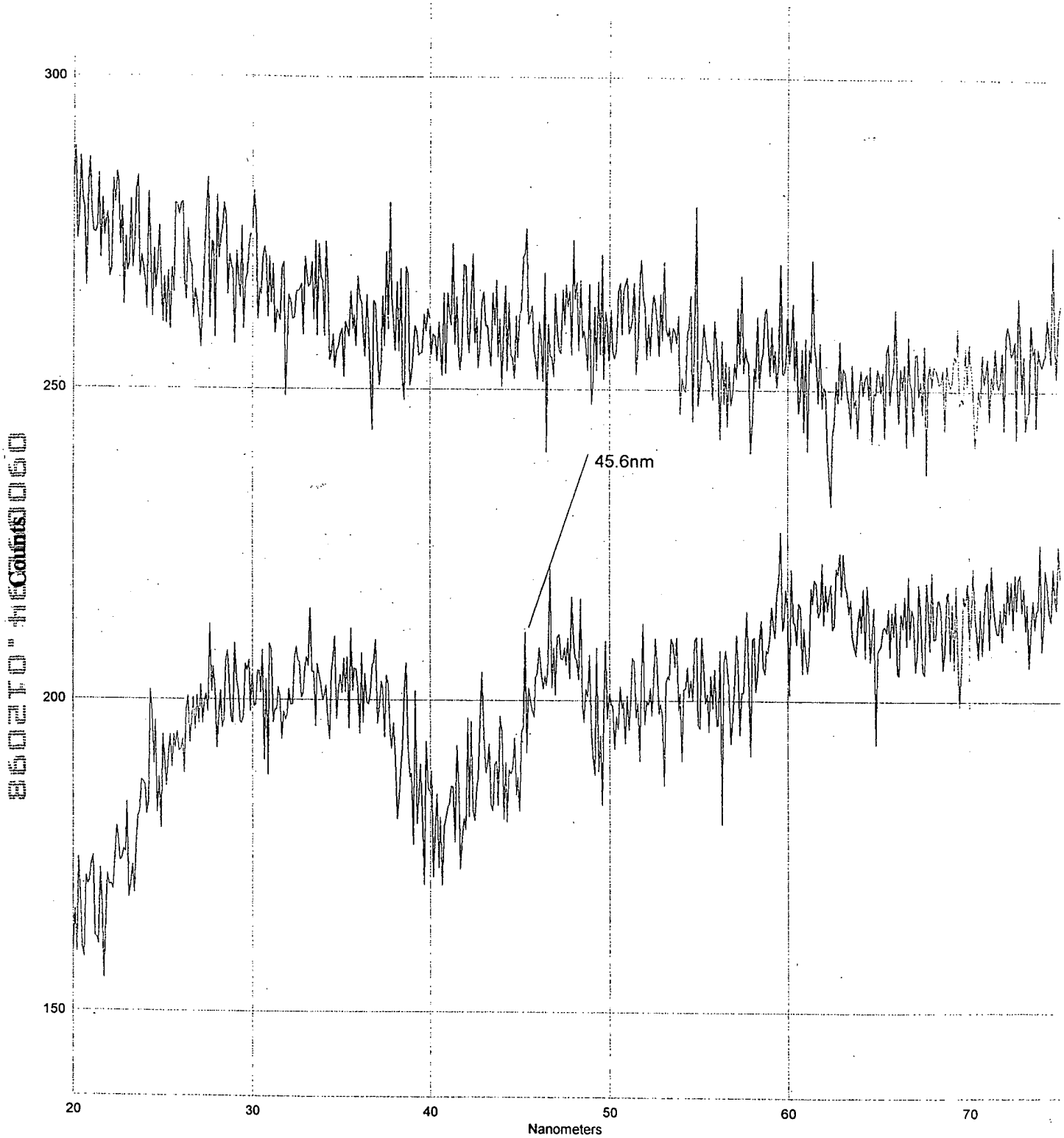


Fig. 45

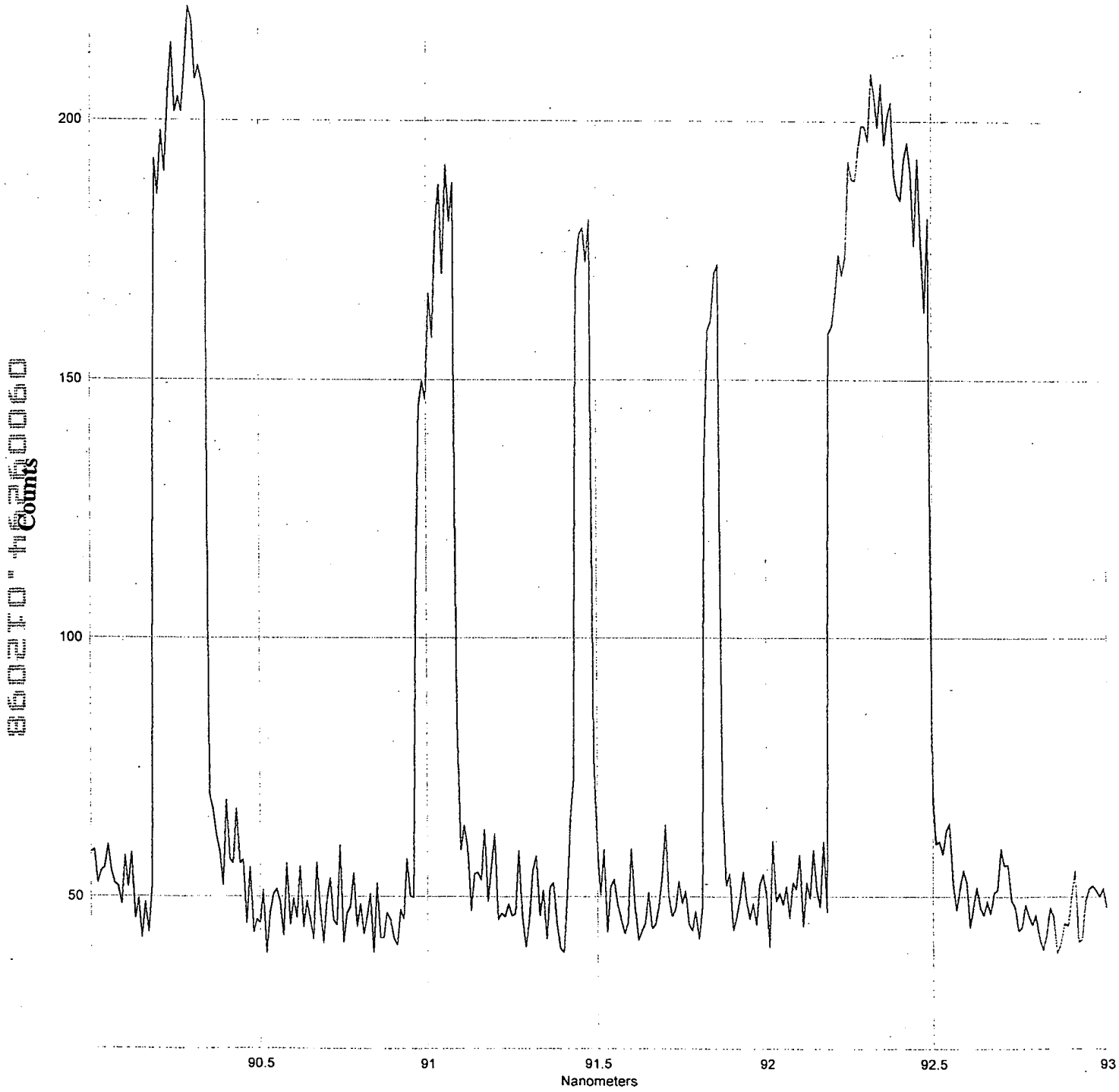


Fig. 46

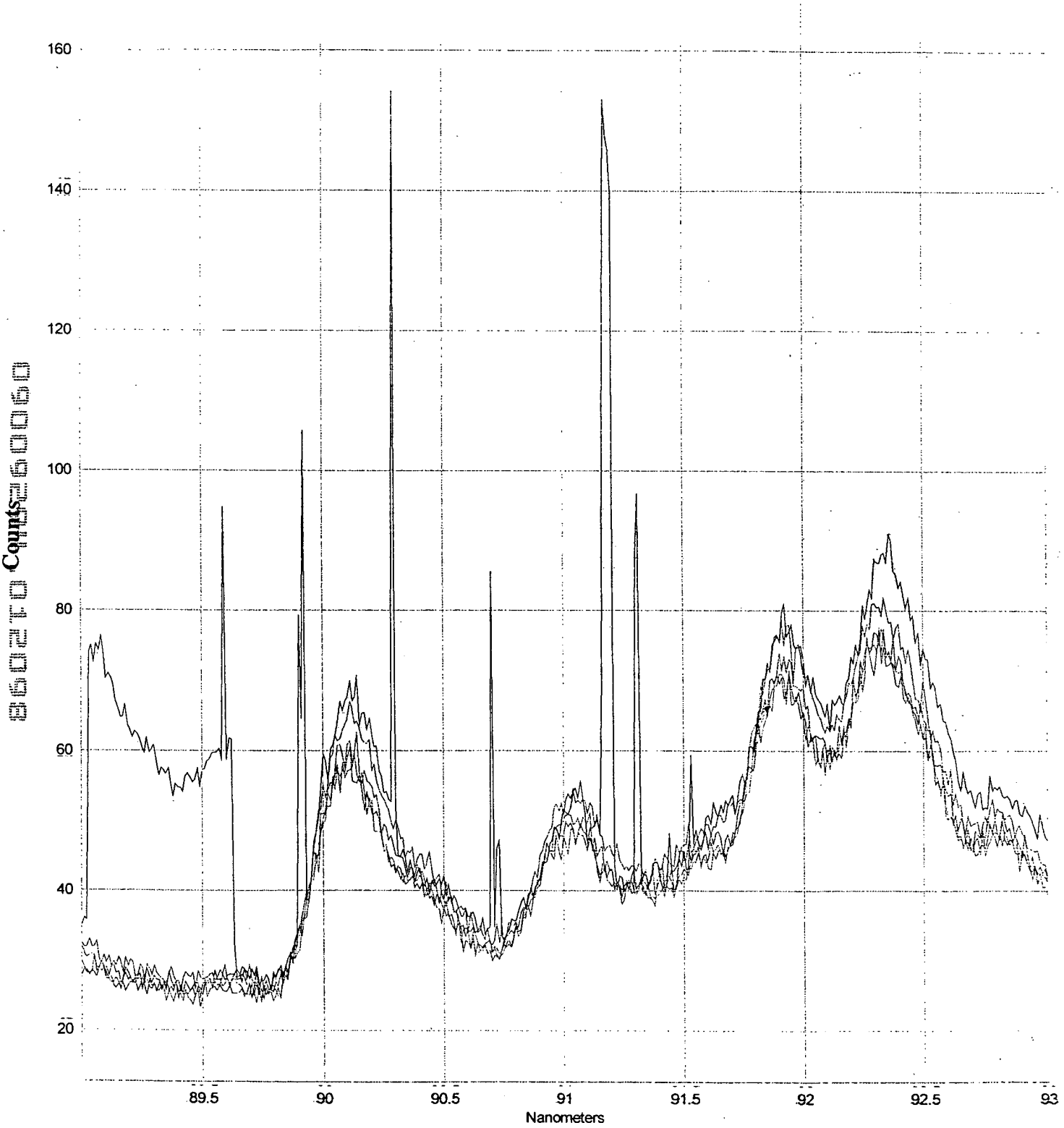

160
140
120
100
80
60
40
20
Counts
89.5
90
90.5
91
91.5
92
92.5
93
Nanometers

Fig. 47

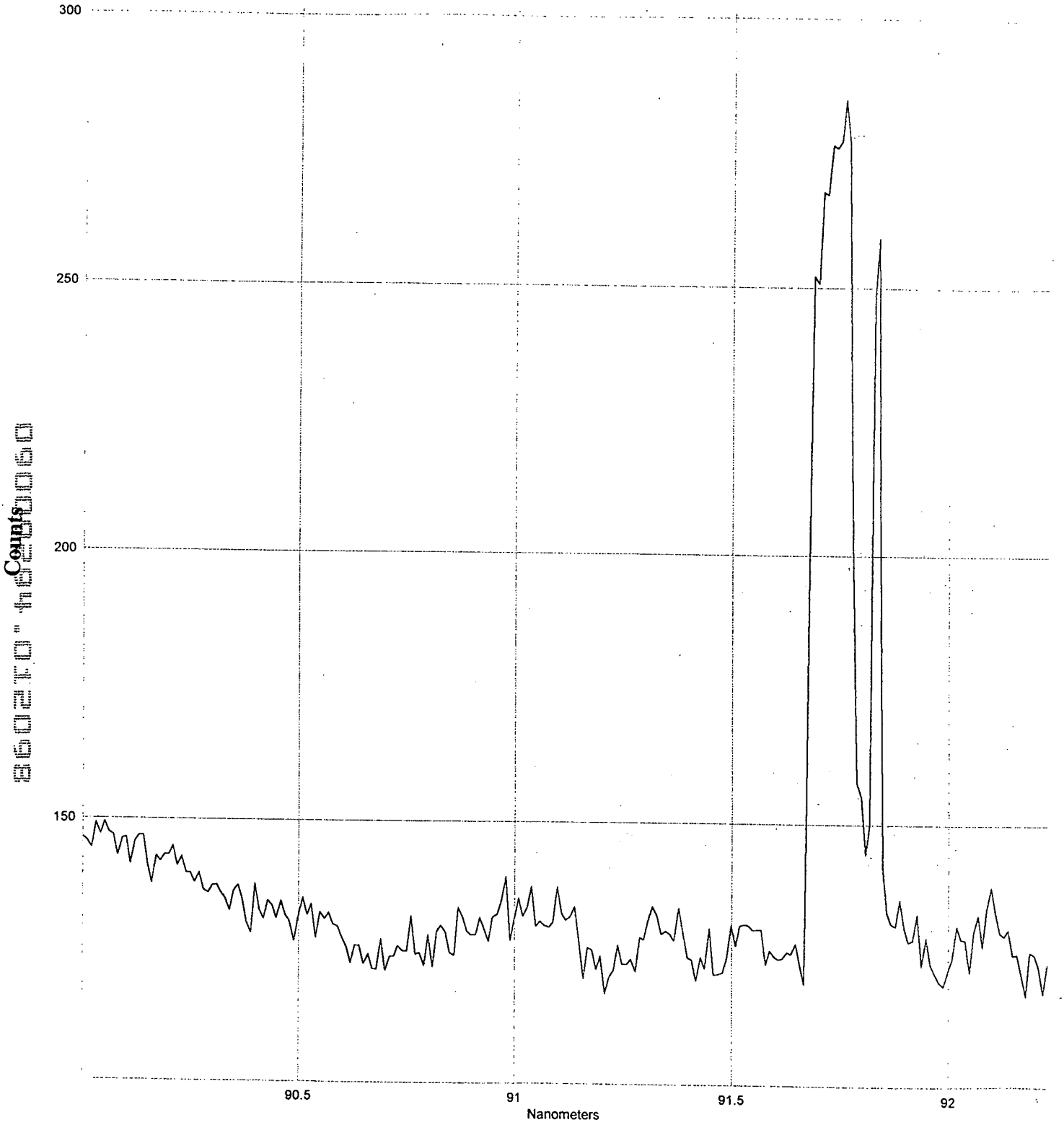


Fig. 48

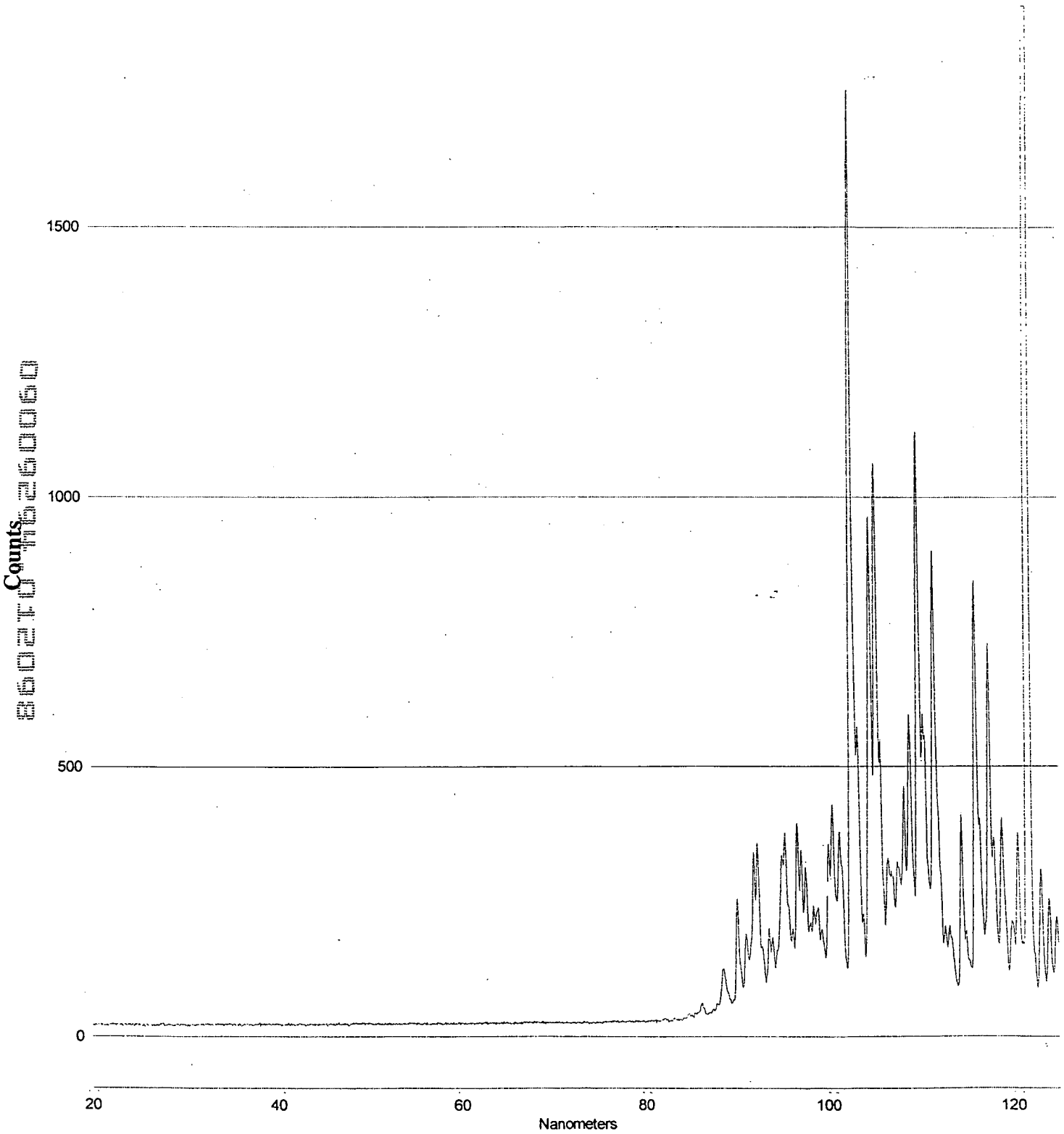
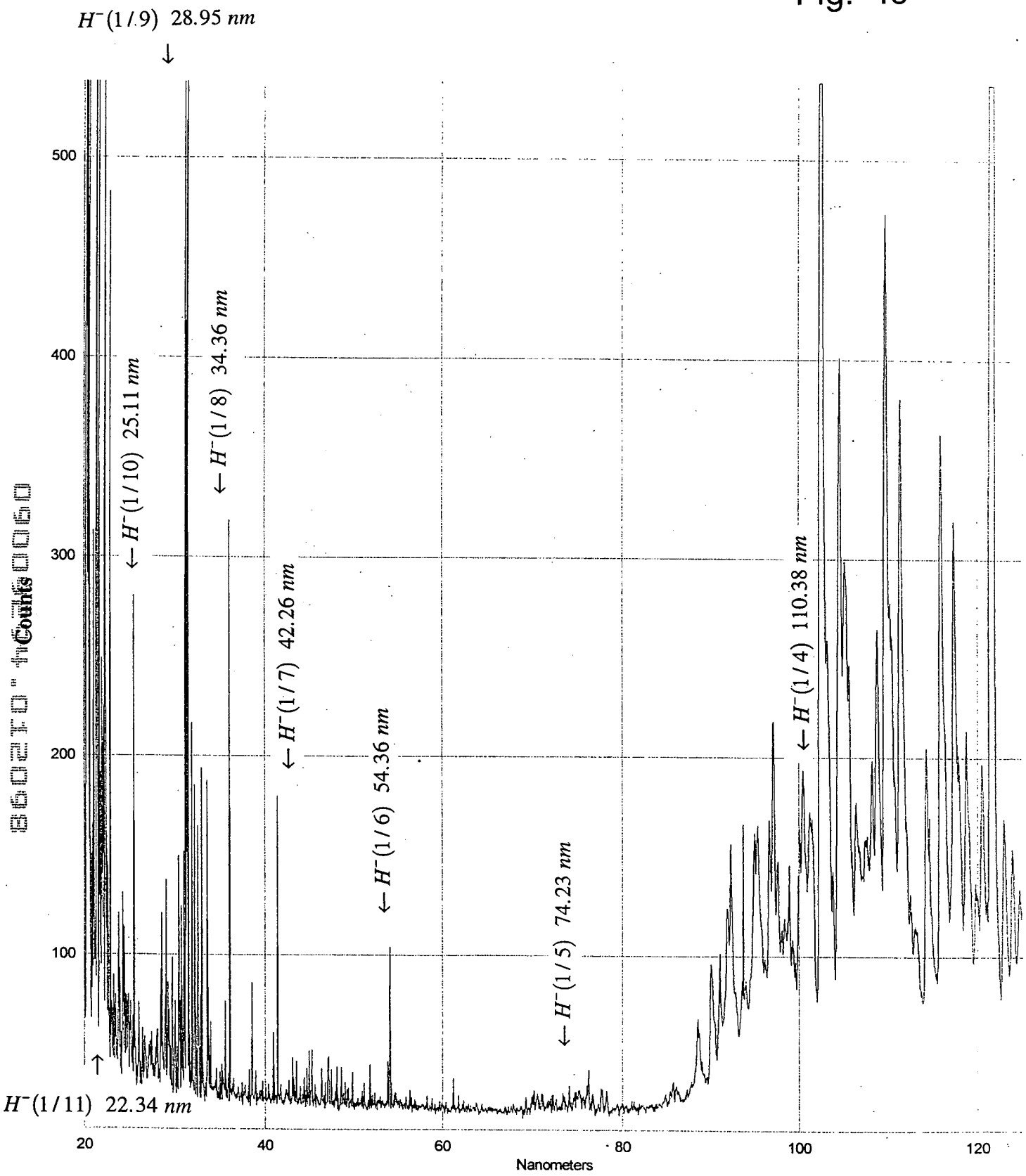


Fig. 49


$H^-(1/9)$ 28.95 nm
$H^-(1/10)$ 25.11 nm
$H^-(1/8)$ 34.36 nm
$H^-(1/7)$ 42.26 nm
$H^-(1/6)$ 54.36 nm
$H^-(1/5)$ 74.23 nm
$H^-(1/4)$ 110.38 nm
$H^-(1/11)$ 22.34 nm
Counts
500
400
300
200
100
20
40
60
80
100
120
Nanometers

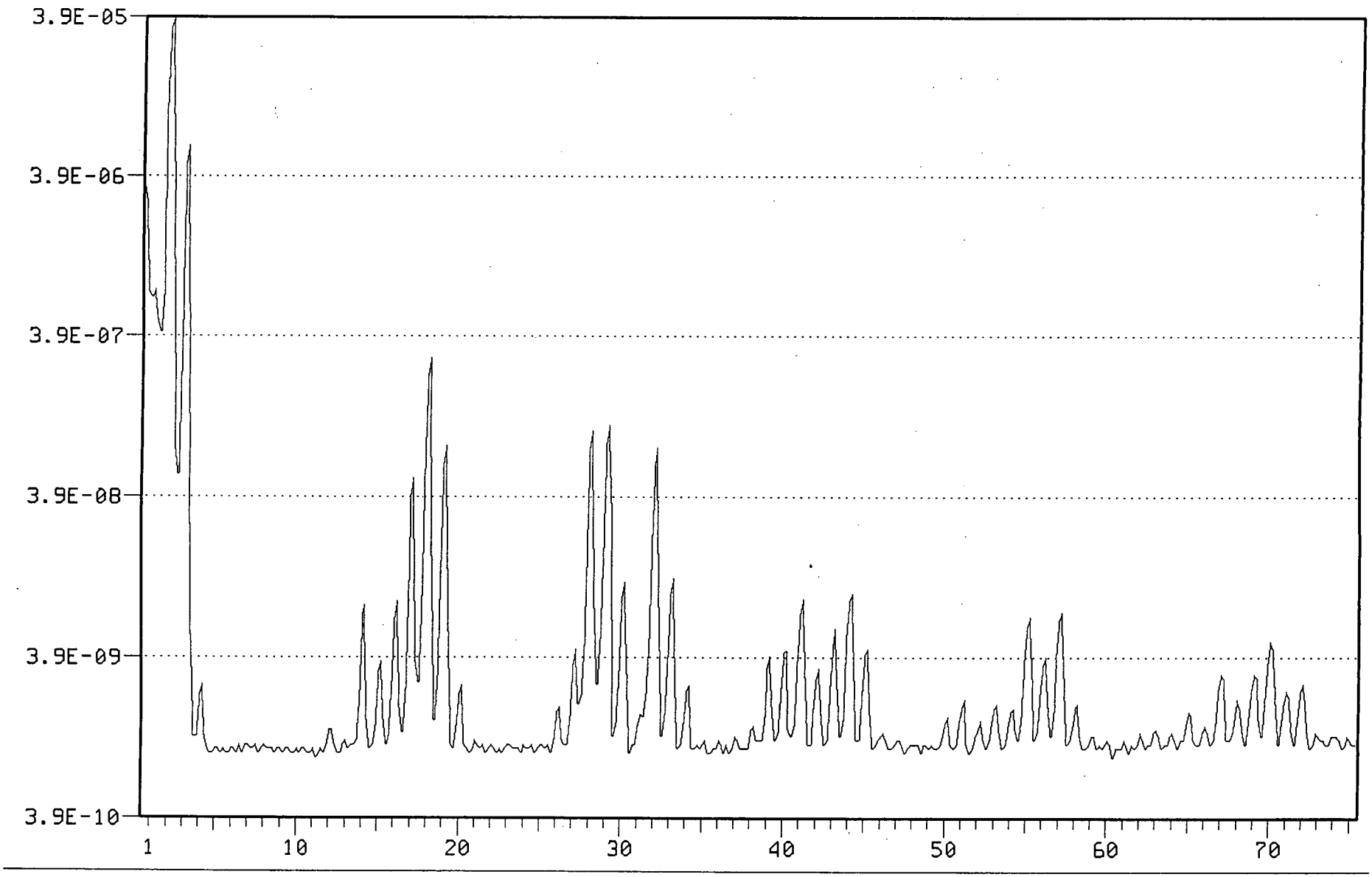
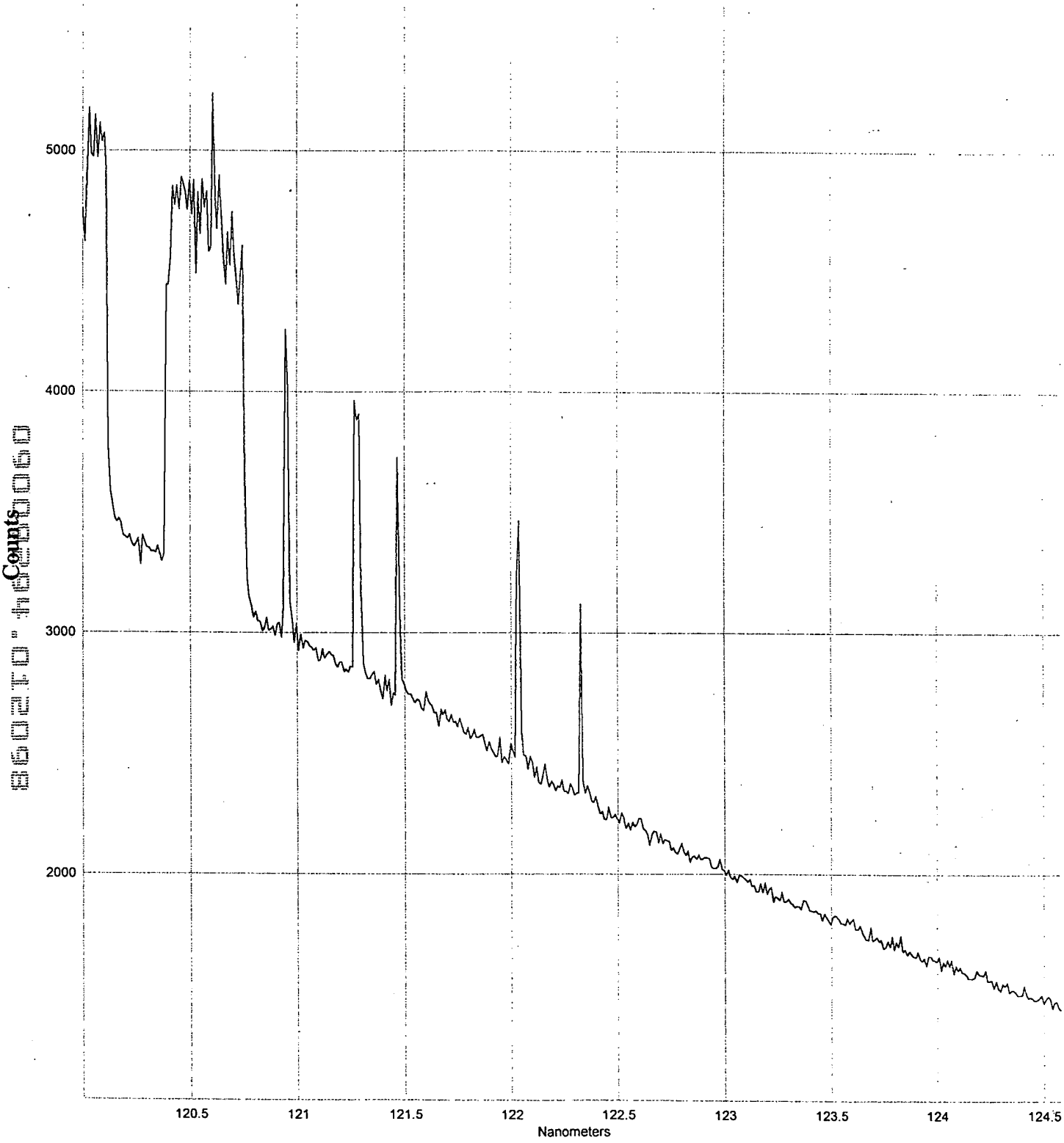


Fig. 50

Fig. 51


5000
4000
3000
2000
Counts
120.5
121
121.5
122
122.5
123
123.5
124
124.5
Nanometers